

Polychlorinated Biphenyls (PCBs) Remedial Action Report

**A-Side Exterior Foundation
Outside of Chorus Room,
Southeast Roof Glass Block Walls & Mechanical Room Window
on Second Floor by Room 101 (Completed February 19, 2014)
SDE Project 080-0093 RNV/E
Orville H. Platt High School
220 Coe Avenue, Meriden, CT**

**Meriden Public Schools
Meriden, Connecticut**

June 16, 2015



Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040



FUSS & O'NEILL
EnviroScience, LLC

June 16, 2015

Ms. Katherine Woodward, P.E.
PCB Coordinator
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

**RE: Polychlorinated Biphenyls (PCBs) Remedial Action Report
A-Side Exterior Foundation Outside of Chorus Room,
Southeast Roof Glass Block Walls & Mechanical Room Window on Second Floor
by Room 101 (Completed February 19, 2014)
Orville H. Platt High School-220 Coe Avenue, Meriden, CT
SDE Project No.: 080-0093 RNV/E
Fuss & O'Neill EnviroScience Project No. 20111127.A3E**

Dear Ms. Woodward:

Enclosed please find the remedial action report for the polychlorinated biphenyls (PCBs) remediation project completed at Orville H. Platt High School, in Meriden, Connecticut. This report summarizes the PCB abatement performed during the Phase I renovation and relates to the removal of PCB-containing glazing compounds associated with the glass blocks walls on the southeast side of the roof (gym) (asbestos-containing material and PCBs < 50 parts per million [PPM]), the waterproofing mastic outside of the Chorus/Band Room area (asbestos-containing material and PCBs > 50 PPM), and the removal of the single window on the second floor mechanical room (asbestos-containing material and PCBs > 50 PPM) to satisfy EPA requirements.

If you should have any questions regarding the enclosed report, please do not hesitate to contact us at (860) 646-2469 extension 5570. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Carlos Texidor
Project Manager

CT/seo

cc: Mr. Paul A. Lisi, AIA, Antinozzi Associates

146 Hartford Road
Manchester, CT
06040
t 860.646.2469
800.286.2469
f 860.533.5143
www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

Table of Contents

Polychlorinated Biphenyls Remedial Action Report Orville H. Platt High School

1	Introduction	1
1.1	Remedial Action Project Limits	1
1.2	Remedial Action Project Objectives	1
1.3	Remedial Action Approach	2
1.4	Regulatory Framework.....	2
1.4.1	United States Environmental Protection Agency.....	2
2	Background.....	3
2.1	Building Description	3
2.2	Building Material Characterization Activities.....	3
3	Remediation Activities.....	3
3.1	Pre-Remediation Activities	3
3.1.1	Approval and Approval Conditions	4
3.2	Remediation Activities	5
3.2.1	PCB-Containing Product Removal.....	5
3.2.2	Adjacent Building Material Removal	5
3.3	Post-Remediation Verification Sampling.....	6
3.3.1	Bulk Verification Sampling.....	6

Tables

1	Bulk Verification Sample Results	6
---	----------------------------------	---

Appendices

End of Report

A	Notification Approval Letter
B	Self-Implementing On-Site Cleanup and Disposal Plan (Notification)
C	Approval Conditions
1)	Town Notification Acceptance Letter
2)	Contractor Acceptance Letter
3)	Laboratory Notification Acceptance Letter
4)	Contractor Work Plan
D	Analytical Reports: Bulk Verification Sampling Results & Locations
E	Uniform Hazardous Waste Manifest
F	Remediation Contractor Documentation
G	Fuss & O'Neill EnviroScience Documentation

1 Introduction

Fuss & O'Neill EnviroScience, LLC (EnviroScience) was retained to provide construction administration services for the Town of Meriden related to the remediation of polychlorinated biphenyls (PCBs) at the Orville H. Platt High School located at 220 Coe Avenue in Meriden, Connecticut (the "Site").

This report has been prepared in accordance with the United States Environmental Protection Agency (EPA)-approved Self Implementing On-Site Clean-up and Disposal Plan (SIP) and with the requirements of Condition 19 of the approval granted by the EPA for cleanup of PCB-containing and PCB-contaminated materials pursuant to Title 40 of the Code of Federal Regulations (CFR) 761.61 (a) and 761.79 (h), dated May 18, 2013. This report presents data supporting the attainment of the remedial objectives pertaining to the PCB-containing and PCB-contaminated materials for the project.

This remediation project involved the removal of PCB-containing glazing compounds associated with glass blocks walls on southeast side of the roof (gym) (asbestos-containing material and PCBs < 50 parts per million [PPM]) and waterproofing mastic outside of the Chorus/Band Room area (asbestos-containing material and PCBs > 50 PPM), and the removal of the single window on the second floor mechanical room (asbestos-containing material and PCBs > 50 PPM) to satisfy EPA requirements.

EnviroScience prepared the SIP, also referred to as the Notification. A copy of the Notification Approval Letter is provided in *Appendix A*. The General Contractor at the Site was O & G of Torrington, Connecticut. The PCB Remediation Contractor was Yankee Environmental Services (YES) of Billerica, Massachusetts.

1.1 Remedial Action Project Limits

The overall remedial objective was to address PCB-containing glazing compounds associated with the glass blocks walls on southeast side of the roof (gym), waterproofing mastic outside of the Chorus/Band Room, and the single window on the second floor Mechanical Room area to satisfy EPA requirements.

1.2 Remedial Action Project Objectives

The objective of the project was to remove PCB- containing materials with equal to or greater than 50 parts per million (ppm) as PCB Bulk Product Waste.

The overall project objective was to remove PCB materials to facilitate demolition in selected sections of the school in accordance with the proposed renovation/selective demolition plans as a high occupancy use upon completing the PCB SIP work.

In accordance with State of Connecticut statutes, we understand that caulking or other building materials containing PCBs < 50 ppm but equal to or greater than 1 ppm PCB are regulated and require remediation. We also understand that substrate testing is required under Title 40 CFR § 761.3 to meet

the definition of an excluded PCB product. Samples were collected and analyzed to confirm excluded PCB products.

1.3 Remedial Action Approach

The remedial action approach consisted of the removal and off-site disposal of the exterior perimeter of the glass blocks associated with glazing compounds and waterproofing mastic as PCB Bulk Product Waste.

1.4 Regulatory Framework

The completed remediation activity was proposed as a voluntary action to address the presence of PCB-containing glazing compounds and waterproofing mastic associated with selected areas pertaining to the Phase-I renovation project.

1.4.1 United States Environmental Protection Agency

The EPA was the lead agency contact for the review of information regarding the investigation and remediation of PCBs at the Site. Of interest to the EPA was that the remediation was conducted in a manner consistent with the Toxic Substances Control Act (TSCA) and more specifically, the provisions of Title 40 CFR, Part 761 – Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. Pertinent documents issued by the EPA are provided below along with key contacts associated with each.

PCB Cleanup and Disposal Approval pursuant to Title 40 CFR, Part 761.61 (a) and 761.79 (h) was provided on May 18, 2013 in response to the SIP originally submitted to the EPA on October 2, 2012 and revised on March 14, 2013.

- A copy of the *PCB Cleanup and Disposal Approval* is provided in *Appendix B*.
- The key contact for the above was:
Ms. Kimberly Tisa
PCB Coordinator
U.S. Environmental Protection Agency
Region 1
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912
Telephone (617) 918-1527
Facsimile (617) 918-0527

EPA guidelines were used for the PCB investigation and remediation from the Site.

2 Background

This section provides a description of the Site and includes information on the building material characterization activities at the Site.

2.1 Building Description

The Orville H. Platt High School was reportedly constructed from 1956 to 1958, with an addition being completed in 1968. The majority of the school building is a two-story structure and there is limited basement space for utilities. The windows associated with the 1956 section of the building include 435 windows.

The building consists of approximately 234,523 square feet (SF) of classrooms, cafeteria, multi-purpose room, an interior in-ground pool, and technology learning centers. The exterior of the building is concrete block and brick construction; interior walls are constructed of concrete block, wall board and brick. Window systems are composed of metal. Figures HM-01 and HM-02 denote the areas of the existing school.

The original building roofs (1956 and 1968 sections) were replaced in 1999. All caulks associated with roofs are considered Excluded PCB Products, since the roofs were replaced in 1999, and the use of PCBs in building materials was banned in 1979.

2.2 Building Material Characterization Activities

Source material sample collection was conducted on January 6 and January 23, 2013. Additional sample collection was performed on March 7 and April 6, 2012, due to elevated reporting limit concentrations.

Additional information regarding glazing/caulking and adjacent surface characterization sampling is located the Self Implementing On-site Clean-up and Disposal Plan (*Appendix B*).

3 Remediation Activities

This section contains a description of the remediation activities completed at the Site including the following:

1. Pre-remediation Activities
2. Remediation Activities
3. Post Remediation Verification Sampling

3.1 Pre-Remediation Activities

The overall remedial objective was to address PCB-containing glazing compounds associated with the glass blocks walls (gym) on southeast side of the roof and to also address the waterproofing mastic

outside of the Chorus/Band Room area, and the removal of the single window on the second floor mechanical room to satisfy EPA requirements.

Yes constructed an enclosure around the exterior glass walls on southeast side of the roof (gym) with polyethylene (poly) sheeting, and included a three-stage remote worker decontamination unit next to the designated work area. For the materials containing < 50 PPM in selected area outside of the Chorus/Band Room (waterproofing mastic), Yes installed poly sheeting on the ground at base of the foundation, which was extended approximately 15 to 20 feet out from the building to prevent the potential for cross-contamination during the PCB remediation. A three-stage remote worker decontamination unit was constructed next to the work area.

3.1.1 Approval and Approval Conditions

Prior to initiation of the remediation activities at the Site, it was necessary to obtain the approval of the regulatory agency maintaining jurisdiction over the work, as well as meet certain notification approval conditions. EPA maintained jurisdiction over the work.

3.1.1.1 United States Environmental Protection Agency

The EPA required the submission of a SIP to review for consistency with the provisions of Title 40 CFR 761.61 – Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. The SIP was initially prepared and submitted to the EPA on October 2, 2012 and revised on March 14, 2013. The Notification included a presentation of the Site characterization data, statement of the remedial action objectives, a description of the Site preparations and controls, a description of the Site remedial action procedures, and a description of the Site verification plan for remedial action procedures.

Per Condition 9 of the *PCB Cleanup and Disposal Approval*, the Town of Meriden was required to provide written notification of its acceptance of the EPA approval conditions. As required, a copy of the acceptance was submitted to the EPA, and is provided in *Appendix C, Item 1*.

Per Condition 10a of the *PCB Cleanup and Disposal Approval*, the Remediation Contractor was required to provide written notification of its understanding and acceptance of the Notification, and that the Remediation Contractor agreed to abide by the conditions of the approval. A copy of the acceptance was submitted to the EPA as required is provided in *Appendix C, Item 2*.

Per Condition 10b of the *PCB Cleanup and Disposal Approval*, the Analytical Laboratory was required to provide written notification of its understanding and acceptance of the extraction and analytical methods, and quality assurance requirements specified in the Notification and conditions of the approval. As required, a copy of the laboratory acceptance was submitted to the EPA, and is provided in *Appendix C, Item 3*

Per Condition 10c of the *PCB Cleanup and Disposal Approval*, the Remediation Contractor was required to submit a work plan detailing the procedures to be employed for PCB-containing and PCB-contaminated waste removal, and for containment and air monitoring during removal activities. Additionally, this work plan was to include information on waste storage, handling, and disposal for each waste stream type, and for equipment decontamination. As required, a copy of the work plan was submitted to the EPA, and is provided in *Appendix C, Item 4*.

3.2 Remediation Activities

The remediation activities associated with this project are presented in two categories: PCB Bulk Product Waste and PCB Remediation Waste.

3.2.1 PCB-Containing Product Removal

PCB Bulk Product Waste including PCB caulking compound and PCB remediation waste associated with caulking compounds were handled and removed from specified locations for proper disposal. To the extent feasible, materials were removed in a manner that did not break down the materials into fine dust or powder. Both mechanical equipment and hand tools were used to remove materials from adjacent substrates. Mechanical tools were fitted with HEPA dust collection systems. Dry or brittle caulking compound and associated dust and/or debris were removed utilizing HEPA-filtered vacuums. Materials removed were immediately placed into lined containers that were marked in accordance with Title 40 CFR 761.40, and formatted in accordance with Title 40 CFR 761.45. The materials were stored for disposal in accordance with Title 40 CFR 761.65.

The sequence of removal followed general requirements:

1. PCB glazing compound associated with the glass blocks was removed and properly containerized for disposal as PCB Bulk Product Waste (≥ 50 ppm PCBs).
2. Tar/water-proofing materials were properly containerized for disposal as PCB Bulk Product Waste (< 50 ppm PCBs), not excluded PCB Products. Upon completion, all surfaces were thoroughly cleaned using HEPA-filtered vacuums.
3. The single window removal at the second floor mechanical room (asbestos-containing material and PCBs > 50 PPM)
4. Surfaces from which PCB caulking had been removed were cleaned with a solvent-based cleaner and wire brush to remove visible caulking.

The Uniform Hazardous Waste Manifest is provided in *Appendix E*.

3.2.2 Adjacent Building Material Removal

Building materials adjacent to PCB-containing caulk were removed in a manner that minimized the breakdown of the materials into fine dust. Equipment used included hand tools and reciprocating hammers.

The reciprocating tools were fitted with HEPA dust collection systems. Dust and/or debris were removed utilizing HEPA vacuums. Materials removed were placed in lined containers marked according to Title 40 CFR 761.40. Markings were formatted in accordance with Title 40 CFR 761.45. The materials were stored for disposal in accordance with Title 40 CFR 761.65. Post-remediation verification sampling was conducted in accordance with the approach from Subpart O for porous materials. The Uniform Hazardous Waste Manifest is provided in *Appendix E*.

3.3 Post-Remediation Verification Sampling

3.3.1 Bulk Verification Sampling

Verification sampling of porous masonry components on the southeast side of the roof (gym), and at mechanical room on the second floor by Room 101 (such as bricks) was performed in accordance with Title 40 CFR 761.61 Subpart O. Samples were collected approximately every 10 linear feet along the masonry bricks. Results were compared to the high occupancy standard for porous surfaces of ≤ 1 PPM using extraction Method 3540C and analytical Method SW846 8082.

The results of the verification sampling are as follows:

Table 1 – Bulk Verification Sample Results

Sample ID	Sample Location	Material Description	Result (mg/kg)
Roof - Southeast Side - Glass Block Walls Associated with Gym & West Window Panels Outside Room 101 - 2nd floor			
020414UA-01	Bottom Left Side Facing Mechanical Room	Brick	ND <0.34
020414UA-02	Top Left Side Facing Mechanical Room	Brick	ND <0.33
020414UA-03	Top Right Side Facing Track Field	Brick	ND <0.64
020414UA-04	Bottom Right Side Facing Track Field	Brick	ND <0.33
**022414UA-01	Right Side - 2 nd Floor Mechanical Room Window	Brick	ND <0.33
**022414UA-02	Left Side - 2 nd Floor Mechanical Room Window	Brick	ND <0.7
**051014UA-01	West Window Panels outside Room 101	Brick	ND <0.33
**051014UA-02	West Window Panels outside Room 101	Brick	ND <0.33
**051014UA-03	West Window Panels outside Room 101	Brick	ND <0.33

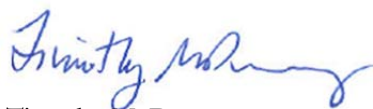
**Additional PCB removal completed February 19, 2014 & May 10, 2014

This report was prepared by Environmental Technician Ulkens Auguste.

Reviewed by:



Carlos Texidor
Project Manager



Timothy M. Downey
Senior Project Manager

Appendix A

Notification Approval Letter



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

MAR 18 2013

Mr. Michael Grove
Assistant Superintendent for the Meriden Public Schools
22 Liberty Street
Meriden, Connecticut 06450

Re: PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c)
and § 761.79(h)
Orville H. Platt High School
Meriden, Connecticut

Dear Mr. Grove:

This is in response to the Meriden Public School (MPS) Notification¹ for approval to clean up and dispose of PCB-contaminated building materials located in the building known as the Orville H. Platt High School (the Site) located at 220 Coe Avenue, Meriden, Connecticut. The Site contains PCB-contaminated materials that exceed the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a), § 761.61 and § 761.62.

In its Notification, MPS has proposed the following PCB cleanup and disposal plan:

- Remove *PCB bulk product waste* (i.e., exterior/interior window caulk (1956 and 1968 sections), slate window sill caulk and sill (1968 section), and 1968 gym floor, including the shellac, mastic, and vapor barrier, and dispose of the PCB waste in a TSCA-approved or RCRA hazardous waste landfill;
- Remove window assemblies in contact with the PCB caulk, including transite panels and insulation, and dispose of as *PCB remediation waste* greater than or equal to (\geq) 50 parts per million (ppm) in accordance with § 761.61 (a)(5)(i)(B)(2)(iii);

¹ The Notification was prepared by Fuss & O'Neill on behalf of Meriden Public Schools to satisfy the notification requirement under 40 CFR § 761.61(a)(3). Information was submitted dated October 2, 2012 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); February 19, 2013 (Revised SIDP and Response to Comments); March 4, 2013 (2nd Revised SIDP and Response to Comments); March 5, 2013 (3rd Revised SIDP and Response to Comments); March 6, 2013 (email response to questions); March 13, 2013 (email response to questions); and March 14, 2013 (email clarification of verification sampling). These submittals shall be referred to as the "Notification".

- Remove caulk and black tar with less than ($<$) 50 ppm PCBs, and adjacent *porous surface* (i.e., 16 inches concrete block) from the interior expansion joint in the corridor of the 1956/1968 sections of the building and dispose of as $<$ 50 ppm *PCB remediation waste* in accordance with § 761.61(a)(5)(i)(B)(2)(ii);
- Remove caulk with $<$ 50 ppm PCBs from the exhaust vents and dispose of as $<$ 50 ppm *PCB remediation waste* in accordance with § 761.61(a)(5)(i)(B)(2)(ii);
- Decontaminate steel lintels and the exhaust vents that will remain to a standard of $\leq 1 \mu\text{g}/100 \text{ cm}^2$; and,
- Conduct verification sampling to confirm that the PCB cleanup standards have been met.

MPS has determined that certain PCB-contaminated building products, which have a PCB concentration at $<$ 50 ppm, meet the criteria for an *Excluded PCB Product* under § 761.3. Under the PCB regulations, *Excluded PCB Products* are authorized for use and thus there is no requirement for removal of the caulk or decontamination of surfaces that are in contact with the $<$ 50 ppm PCB-contaminated building products. While these building products are not addressed in the Approval, the MPS is in discussion with Connecticut Department of Energy and Environmental Protection (CTDEEP) concerning its requirements for management of these materials.

With the exception of the proposed verification sampling frequency for decontaminated *porous surfaces* (i.e., interior corridor expansion joints and window openings), the Notification meets the requirements and standards established under §§ 761.61(a), 761.62, and 761.79(h) for cleanup and disposal of *PCB remediation waste* and *PCB bulk product waste*.

With respect to the verification sampling frequency, based on the results of the PCB sampling to-date and the proposed cleanup and disposal approach, EPA has determined that the sampling plan and verification sampling frequency are adequate to confirm that PCB cleanup standard has been met. EPA finds that the activities proposed by MPS will not create an unreasonable risk to public health or the environment when conducted in accordance with the Notification and this Approval. EPA may approve the sampling under § 761.61(c).

MPS may proceed with its cleanup in accordance with 40 CFR §§ 761.61(a) and (c); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

This Approval does not release MPS from any applicable requirements of federal, state or local law, including the requirements related to cleanup and disposal of PCBs or other contaminants under the CTDEEP regulations.

Correspondence and questions regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,



James T. Owens III, Director
Office of Site Remediation & Restoration

cc: Carlos Texidor, Fuss & O'Neill
Meriden Board of Health
Brian Toal, CTDPH
Gary Trombly, CTDEEP
File

Attachment 1- Approval Conditions

ATTACHMENT 1

PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS ORVILLE H. PLATT HIGH SCHOOL ("the Site") 220 COE AVENUE, MERIDEN, CONNECTICUT

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification.
2. The Meriden Public Schools (MPS) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.
3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.
4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.
5. MPS must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, MPS shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.
6. MPS is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time MPS has or receives information indicating that MPS or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.
7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by MPS are authorized to conduct the activities set forth in the Notification. MPS is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.
8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release MPS from compliance with any applicable requirements of federal, state or local law; or 3) release MPS from liability for, or otherwise resolve any violations of federal, state or local law.

9. Failure to comply with the Approval conditions specified herein shall constitute a violation of the requirement in § 761.50(a) to store or dispose of PCB waste in accordance with 40 CFR Part 761 Subpart D.

NOTIFICATION AND CERTIFICATION CONDITIONS

10. This Approval may be revoked if the EPA does not receive written notification from MPS of its acceptance of the conditions of this Approval within 10 business days of receipt.
11. MPS shall submit the following information for EPA review and/or approval:
 - a. a certification signed by its selected contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;
 - b. a contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the containment and air monitoring that will be employed during abatement activities. This work plan should also include information on how and where wastes will be stored, and disposed of, and on how field equipment will be decontaminated; and,
 - c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical methods and quality assurance requirements specified in the Notification and in this Approval.

REMEDIAL AND DISPOSAL CONDITIONS

12. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.
13. PCB-contaminated materials shall be decontaminated and confirmatory sampling and analysis shall be conducted as described below:
 - a. All visible residues of *PCB bulk product waste* (i.e., exterior/interior window caulk, slate window sill caulk, and 1968 gym floor including shellac, mastic, and vapor barrier) shall be removed as described in the Notification.
 - b. The decontamination standard for building *porous surfaces* (i.e., concrete block and brick) shall be less than or equal to (\leq) 1 ppm.

- i) Sampling for *porous surfaces* shall be performed on a bulk basis (i.e., mg/kg) and reported on a dry weight analysis. Sampling for *porous surfaces* shall be conducted in accordance with the EPA Region 1 *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011*, at a maximum depth interval of 0.5 inches.
 - ii) Verification samples collected from *porous surfaces* (i.e., window openings, interior corridor expansion joints, and the 1968 gymnasium concrete floor) shall be collected at the following frequency:
 - (1) Window openings- 1 sample every 10 linear feet (lf) for the for a total of 223 samples
 - (2) Interior corridor expansion joints- 1 sample every 10 linear feet (lf) for the for a total of 4 samples
 - (3) 1968 gymnasium concrete floor- In accordance with the provisions of 40 CFR 761 Subpart O
 - iii) Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 for solid matrices and Method 3500B/3510C of SW-846 for aqueous matrices; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction or analytical method(s) is validated according to Subpart Q.
- c. The decontamination standard for building *non-porous surfaces* (i.e., steel lintels and exhaust vents that will remain) shall be less than or equal to (\leq) 1 $\mu\text{g}/100\text{ cm}^2$.
- i) Sampling of *non-porous surfaces* shall be performed on a surface area basis by the standard wipe test as specified in 40 CFR § 761.123 (i.e., $\mu\text{g}/100\text{ cm}^2$) and in accordance with the frequency requirements at Subpart P, as described in the Notification.
 - ii) Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 for solid matrices and Method 3500B/3510C of SW-846 for aqueous matrices; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction or analytical method(s) is validated according to Subpart Q.
14. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise specified below:

- a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).
- b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).
- c. PCB-contaminated water generated during decontamination shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

15. MPS shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by MPS to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.
16. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).
17. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
18. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

19. MPS shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the decontamination and the analytical sampling shall be established and maintained by MPS in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.

20. MPS shall submit a final report in electronic and hard copy, to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities with photographic documentation; characterization and confirmation sampling analytical results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of; copies of manifests and bills of lading; and, copies of certificates of disposal or similar certifications issued by the disposer.
21. Required submittals shall be mailed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527
22. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

END OF ATTACHMENT 1

Appendix B

Self-Implementing On-Site Cleanup and Disposal Plan (Notification)

Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Removal

Orville H. Platt High School
220 Coe Avenue
Meriden, Connecticut
SDE Project No-080-0093 RNV/E

Meriden Public Schools

Meriden, Connecticut

October 2, 2012
Revised March 14, 2013



Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040



FUSS & O'NEILL
EnviroScience, LLC

October 2, 2012

Revised March 14, 2013

Ms. Katherine Woodward, PE
PCB Coordinator
U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

RE: Self-Implementing On-Site Cleanup and Disposal Plan
Orville H. Platt High School, Meriden, Connecticut
SDE Project No-080-0093 RNV/E
Fuss & O'Neill EnviroScience Project No. 20111127.A1E

Dear Ms. Woodward:

We are submitting this work plan in accordance with the notification requirements for a Self-Implementing On-Site Cleanup and Disposal plan for regulated PCB containing materials at the Orville H. Platt High School in Meriden, CT. The plan has been prepared and submitted in accordance with requirements of 40 CFR Part § 761.61(a)(3).

Thank you for your attention to this matter and if you have any questions with regard to the plan please contact the undersigned, Carlos Texidor, at (860) 646-2469 ext. 5570 or email: ctexidor@fando.com.

Sincerely,

Carlos Texidor
Project Manager

CT/kr

cc: CT Department of Environmental Protection
Michael Grove, Assistant -Superintendent Meriden Public Schools

146 Hartford Road
Manchester, CT
06040
t 860.646.2469
800.286.2469
f 860.533.5143

www.fando.com

Connecticut
Massachusetts
Rhode Island

Table of Contents

Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Removal Orville H. Platt High School

1	Introduction	1
1.1	Background	1
1.2	Project Objectives.....	2
1.3	Plan Organization	2
2	Site Characterization	3
2.1	Sample Collection and Analysis	3
2.2	Sample Analysis Results.....	7
2.2.1	Source Material Sample Analysis Results	8
2.2.2	Adjacent Porous Materials Sample Analysis Results	14
2.2.3	Adjacent Non-Porous Materials Sample Analysis Results	15
2.2.4	Adjacent Soil Sample Analysis Results	15
3	Remediation Plan.....	17
3.1	Site Preparation and Controls	18
3.2	Removal Procedures.....	20
3.2.1	PCB Bulk Product Waste Materials	20
3.2.2	Bulk PCB Remediation Waste – Adjacent Building Materials.....	20
3.3	Verification Sampling Plan.....	21
3.3.1	Porous Brick (Verification Sampling).....	21
4	Schedule and Plan Certification.....	27

Figures

Following Page

1-1	Site Location Map
2-1	Window Elevations Drawing
3-1	Window Elevations – (Photographs)
HM-01	Existing First Floor Plan
HM-02	Existing Second Floor Plan
PCB-01	PCBs Source Materials Sample Locations
PCB-02	PCBs Soil Sampling Locations
PCB-03	PCBs Roof Sampling Locations
PCB-04	PCBs Porous Materials Sample Locations

Appendices

End of Report

Appendix A	Laboratory Analysis and Chain of Custody - Source Materials - Bulk
Appendix B	Laboratory Analysis and Chain of Custody - Adjacent Porous Surfaces - Bulk
Appendix C	Laboratory Analysis and Chain of Custody - Adjacent Soil Sample Analysis
Appendix D	Technical Specification Section
Appendix E	Air and Wipe Sampling for Polychlorinated Biphenyls (PCBs)

1 Introduction

This plan has been prepared by Fuss & O'Neill EnviroScience, LLC (EnviroScience) on behalf of Mr. Michael Grove, Assistant Superintendent for the Meriden Public Schools located at 22 Liberty Street, Meriden, Connecticut 06450; Email: Michael.grove@meridenk12.ct.us, Telephone: (203) 630-4174. The plan has been prepared to comply with the U.S. Environmental Protection Agency (USEPA) requirements for notification of a Self-Implementing On-Site Cleanup and Disposal Plan (SIDP) in accordance with 40 CFR Part § 761.61(a)(3). This work will be done in support of the demolition of approximately 80 percent of the school, and new construction. There will also be renovation(s) of the pool, auditorium, and gymnasium.

Exterior window caulking (1956), Interior slate window sill caulking compounds (1968) and shellac/varnish associated with the exercise (small) gym wood floor (1968) have been determined to contain polychlorinated biphenyls (PCBs) above regulated concentrations at the Orville H. Platt High School located at 220 Coe Avenue in Meriden, Connecticut. The building is scheduled to undergo a significant renovation including selective demolition in the 1956, and 1968 Sections and will be completed in the summer of 2016. The window(s) including the window sills (1968) and gym floor locations where regulated PCB materials are present will require removal as part of the renovation and selective demolition of the existing building. A Site Location Map identifying the building is included in Figure 1-1.

1.1 Background

The Orville H. Platt High School was constructed in 1956 and was completed in 1958; with an addition being completed in 1968. The majority of the school building is a two-story structure and there is limited basement space for utilities. The windows associated with the 1956 section of the building include 435 windows.

The building consists of approximately 234,523 square feet of classrooms, cafeteria, multi-purpose room, an interior in-ground pool, and technology learning centers. The exterior of the building is concrete block and brick while interior walls are constructed of concrete block, wall board and brick. Window systems are composed of metal. Figures HM-01 and HM-02 show the areas of the existing school.

The Orville H. Platt High School had the original roof(s) 1956 section, and 1968 section replaced in 1999. All caulks associated with roofs are considered Excluded PCB Products since the roof was replaced in 1999 and the use of PCBs in building materials was banned in 1979.



1.2 Project Objectives

This SIDP is for the removal of polychlorinated biphenyl (PCB) containing materials with equal to or greater than 50 parts per million (ppm) as PCB Bulk Product Waste. Steel structural components to remain such as steel lintels shall be cleaned to meet required visual standards and wipe sampling criteria for high occupancy use. Materials containing PCBs equal to or greater than (\geq) 50 ppm include exterior window caulking (1956 section) and shellac/varnish (associated with the exercise (small) gym floor (1968 section), and the Metal surfaces to be cleaned of PCB caulking and remain include structural steel lintels.

The objective of the project is to remove PCB exterior window caulking (1956 section), shellac/varnish associated with the exercise gym wood floor (1968 section), and the interior slate window sill caulking compounds, including the slate sills (1968) as PCB Bulk Product Waste containing PCBs \geq 50 ppm. Non-porous surfaces shall be cleaned to standard of $\leq 1 \mu\text{g}/100 \text{ cm}^2$. The overall project objective is to remove PCB materials to facilitate demolition in selected sections of the school in accordance with the proposed renovation/selective demolition plans as a high occupancy use upon completing the PCB SIDP work.

In accordance with State of Connecticut statutes we understand that caulking or other building materials containing PCBs < 50 ppm but equal to or greater than 1 ppm PCB are regulated and require remediation. We also understand that substrate testing is required under 40 CFR § 761.3 to meet the definition of an excluded PCB product and samples were collected to confirm excluded PCB products.

1.3 Plan Organization

This SIDP has been organized into the following sections:

Section 2: Site Characterization

The site characterization section provides a summary of the sampling performed to delineate the nature and extent of PCB as required in accordance with 40 CFR Part § 761.61 (a)(3) (A-C). The section includes the nature of the contamination including kinds of materials; a summary of the procedures used to sample contaminated and adjacent surfaces; and the location and extent of the identified contaminated areas.

Section 3: Remediation Plan

The remediation plan includes a discussion of how the remedial objectives identified in Section 1.2 shall be met and the remediation approach, cleanup levels to be met and the verification sampling approach to be utilized. This section includes diagrams depicting the areas of proposed remediation work and location for post-remediation verification sampling. The remediation plan is submitted in accordance with 40 CFR Part § 761.61 (a)(3)(D).

Section 4: Schedule and Certification

The proposed schedule for implementation and reporting schedule is provided. This section includes the written certification signed by the Owner of the property and other responsible parties responsible for the remediation, cleanup and disposal in accordance with 40 CFR Part § 761.61 (a)(3)(E).

2 Site Characterization

This section provides a summary of the sampling performed to delineate the nature and extent of PCB as required in accordance with 40 CFR Part § 761.61 (a)(3) (A-C). The section includes the nature of the contamination including kinds of materials; a summary of the procedures used to sample contaminated and adjacent surfaces; and the location and extent of the identified contaminated areas.

The following sections describe the selection of sample locations, sample collection methods, and the results of the characterization data. The initial site characterization of source materials such as caulking materials (Phase 1), testing of adjacent surfaces to facilitate development of this SIDP plan (Phase 2), and the development of the SIDP plan was performed by Fuss & O'Neill EnviroScience, LLC (EnviroScience) of Manchester, CT. Figures depicting the locations of all samples collected by EnviroScience are included in Drawings PCB-01, PCB-02, PCB-03, and PCB-04 respectively.

2.1 Sample Collection and Analysis

PHASE 1 – BULK PRODUCT MATERIAL SAMPLING

Testing of bulk product materials was conducted by EnviroScience representatives Eduardo Miguel Marques. Sampling was performed on January 6 and January 23, 2012. Additional sampling was performed on March 7 and April 6, 2012 due to elevated reporting limit concentrations. Source material sampling locations are identified. Please refer to PCB-01.

The following source material samples were collected:

- Skylight glazing compound – 2 samples
- Tar associated with rolled sheet roof (1956) – 2 samples
- Rolled sheet roof – top layer (1956) – 1 sample
- Roof Caulk associated with brick/metal flashing (semi-circle, 1956) – 1 sample
- Roof Pitch box flashing (1956) – 1 sample
- Roof drain flashing (1956) – 2 samples
- Top layer roof (1956) – 1 sample
- Bottom layer roof (1956) – 1 sample
- Caulk associated with roof vent (1956) – 1 sample
- Caulk associated with roof exhaust vent (1956) 1 sample
- Top layer roof (1968) – 1 sample
- Bottom layer roof (1968) – 1 sample
- Caulk associated with roof exhaust vent (1968) 1 sample
- Vent roof flashing (1968) – 1 sample
- Caulk associated with roof exhaust vent (1968) 2 samples
- Vent roof flashing (1956) 1 sample
- Caulk associated with roof exhaust vent (1956) 1 sample
- Roof-Rolled sheet flashing (1956) – 1 sample
- Roof-Rolled sheet flashing (1968) – 1 sample
- Roof-Flashing/Tar – parapet (1956) – 2 samples
- Roof-Flashing/Tar – parapet (1968) – 1 sample
- Roof parapet caulk (1956) – 1 sample
- Roof-Flashing/Tar perimeter (1956) – 1 samples
- Roof-Flashing/Tar perimeter (1968) – 1 samples
- Exterior window caulk (1956) – 1 sample
- Exterior window caulk at sash (1956) - 1 sample
- Exterior window glazing compound (1956) – 1 sample
- Exterior window caulk (1968) – 3 samples
- Exterior window glazing compound (1968) – 2 samples
- Exterior door caulk (1968) – 3 samples
- Exterior expansion joint caulk (1956/1968) – 3 samples
- Exterior door caulk (1956) – 3 samples
- Interior slate window sill caulk (1968) – 3 samples
- Interior window caulk (1956) – 3 sample
- Interior window caulk (1968) – 3 sample
- Black sink basin caulk (1956) – 3 samples
- Black sink basin caulk (1968) – 3 samples
- Blind flashing/Waterproofing (1968) – 3 samples
- Blind flashing/Waterproofing (1956) – 3 samples
- 1st Floor interior CMU expansion joint caulk (1956/1968) – 3 samples
- Wood shellac/varnish floor (gymnasium, 1968) – 3 samples
- Mastic associated with cork under wood floor (gymnasium, 1968) – 3 samples
- Black tar vapor barrier under cork (gymnasium, 1968) – 3 samples
- Wood shellac/varnish floor (gymnasium, 1956) – 3 samples
- Vapor barrier wood floor (gymnasium, 1956) – 3 samples
- Black tar behind CMU interior expansion joint caulk (1956/1968)

Bulk Sampling

Sampling involved removal of bulk product materials (source materials) such as caulking, roofing, varnishes, mastics and glazing compounds using hand tools to submit for PCB analysis. The tools utilized to collect samples were cleaned using hexane wash procedure between collecting each unique sample. Each sample was placed in containers, labeled, and delivered to the laboratory using chain of custody. Samples were analyzed at Con-Test Analytical Laboratory of East Longmeadow, MA. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

The sample numbers, locations, material description, and analysis results are included in Table 2.1 (in Section 2.2.1).

PHASE 2 – ADJACENT SURFACE SAMPLING

On March 7, 2012 and April 6, 2012, Fuss & O'Neill EnviroScience (EnviroScience) representatives Eduardo Miguel Marques and Andrew Jackson performed supplemental testing of adjacent surfaces and soil at Oliver H. Platt High School in Meriden, Connecticut.

Initial testing results of source materials at Oliver H. Platt High School in Meriden, Connecticut determined the following material to contain PCBs at concentrations ≥ 50 PPM:

- Exterior window caulk – (1956)
- Shellac associated with gymnasium (small) wood floor (1968)
- Interior window sill caulking – (1968)

In addition, PCBs at concentrations > 1 PPM but < 50 PPM were identified in the following materials:

- Exterior window caulk at sash (1956)
- Exterior window glazing compound (1956)
- Exterior door caulk – adj. garage (1968)
- Exterior window caulk – Cafeteria wing (1968)
- Interior window caulk – (1956)
- Interior window caulk – (1968)
- Interior slate window sill caulk – (1968)
- Black sink basin caulk – (1956)
- Black sink basin caulk – (1968)
- Blind flashing/Waterproofing – (1956)
- Blind flashing/Waterproofing – (1968)
- Interior expansion joint compound caulk (1956/1968)
- Mastic associated with cork under exercise gym wood floor (1968)
- Black tar vapor barrier under exercise gym wood/cork floor (1968)
- Black vapor barrier under gymnasium wood floor (1956)
- Caulk associated with exhaust vent (1968)

This supplemental testing was required for the development of this plan for submission to the EPA prior to demolition/renovations.

Sampling was performed when students and faculty were not present. All samples collected were transported to Con-Test Analytical Laboratory of East Longmeadow, MA for analysis. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

Twelve (12) adjacent surface samples (exterior brick veneer and interior block) were collected at depths of 0.5 inch and 1 inch into the substrate at locations analyzed to have concentrations of PCBs associated with exterior window caulk, interior window caulk, exterior door caulk, concrete, wood and interior CMU wall expansion joint caulk.

Forty-two (42) soil samples were collected from the exterior perimeter areas of window locations at the 1956 section of the building noted to have PCB concentrations associated with caulking. Soil samples were collected at depths of 0-4 inches and 4-8 inches.

PHASE 3 – “EXCLUDED PCBs PRODUCT”

Sampling was performed on April 6, June 6, 2012, and January 23, 2013. Samples were collected Fuss & O'Neill EnviroScience, LLC Senior Environmental Technician Eduardo Miguel Marques. All samples collected were transmitted to Contest Analytical Laboratory in East Longmeadow, MA. Building caulks and glazing putty were determined to be Excluded PCB Products if the insitu total PCB concentration was <50 mg/kg and if it could be determined that the caulk/glazing/vapor barrier material was original and the total PCB concentration had not been modified by subsequent activities. All of the below mentioned materials were determined to be original to building construction and no evidence that subsequent renovations had modified total PCB concentrations. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

- Three (3) bulk sample of the Pool-Ceiling-Precast-T's (joint expansion caulk) (1968)
- Three (3) bulk sample of the Vapor barrier under wood floor (vapor barrier) (1956)

Sampling was performed on April 6, June 6, 2012, and January 23, 2013. Samples were collected Fuss & O'Neill EnviroScience, LLC Senior Environmental Technician Eduardo Miguel Marques. All samples collected were transmitted to Contest Analytical Laboratory in East Longmeadow, MA. Building caulks and glazing putty were determined to be Excluded PCB Products if the insitu total PCB concentration was <50 mg/kg and if it could be determined that the caulk/glazing/material was original and the total PCB concentration had not been modified by subsequent activities. All of the below mentioned materials were determined to be original to building construction and no evidence that subsequent renovations had modified total PCB concentrations. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082. All materials listed below are from sections of the school that will be demolished.

- One (1) bulk sample of the exterior window caulk at sash (1956)
- One (1) bulk sample of the exterior window glazing compound (1956)
- Three (3) bulk sample of the exterior door caulk – adj. garage (1968)
- Three (3) bulk sample of the exterior window caulk – Cafeteria wing (1968)
- One (1) bulk sample of the interior window caulk – (1956)
- Three (3) bulk samples sample of the interior slate window sill caulk – (1968)
- Three (3) bulk samples of the Black sink basin caulk – (1956)
- Three (3) bulk samples of the Black sink basin caulk – (1968)

- Three (3) bulk samples of the Blind flashing/Waterproofing – (1956)
- Three (3) bulk sample of the Blind flashing/Waterproofing – (1968)
- Three (3) bulk sample of the interior expansion joint compound caulk – (1956/1968)
- Three (3) bulk samples of the mastic associated with cork under gymnasium wood floor (1968)
- Three (3) bulk samples of the black tar vapor barrier under gymnasium wood/cork floor (1968)

Bulk Sampling – Porous Surfaces

EnviroScience conducted sampling of masonry in accordance with EPA “Standard Operating Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyls” dated May 5, 2011. Sampling involved first complete removal of bulk product materials (source materials) at sampling locations using hand tools. The intent was to ensure complete removal of source material prior to sampling adjacent surfaces. Once removal of all visible source material was performed the porous surfaces were cleaned with hexane and rinsed with distilled water. The adjacent porous surfaces tested were exterior brick veneer and interior block. Porous surfaces were sampled using a mechanical hammer drill to obtain samples at depths of 0 to 0.5 inch depth and 0.5 to 1 inch depths where possible based on material matrix. The bulk materials were analyzed for PCB content from each cross section. Tools utilized to collect samples were cleaned using hexane wash series including soapy water, distilled clean water, and hexane between sampling. Each sample was placed in 4 ounce glass jars, labeled and delivered to laboratory using proper chain of custody.

The sample numbers, locations, material description, and analysis results are included in Table 2.2. Refer to PCB-04 for drawing identifying locations of collected samples.

Soil Sampling

Soil samples were collected where window systems were determined to contain PCBs at concentrations \geq 50 PPM (1956 section). Samples were collected at the perimeter of the building three to four feet from building perimeter. Soil samples were collected at depths of 0-4 inches and 4-8 inches. A total of forty-two (42) soil samples were collected of which only twenty-one (21) samples were analyzed (top layer of soil, 0-4 inches) to characterize soil for PCB concentrations. PCBs were not detected at depths of 0-4 inches in soil; therefore, the 4-8 inches of soil samples were not analyzed.

Samples collected at the above specified intervals were collected by trowel or hand auger, and transferred to glass containers, labeled and delivered to laboratory using proper chain of custody. Samples were preserved using ice during transport to laboratory. The tools utilized to collect samples were cleaned using hexane wash procedure between collecting each unique sample.

The sample numbers, locations, material description, and analysis results are included in Table 2.3. Refer to Figure 2-2 for drawings identifying locations of collected samples.

2.2 Sample Analysis Results

The following tables summarize the specific sampling locations of collected samples and results of PCB analysis. The analytical method for analysis included extraction method 3540C (Soxhlet Extraction) and analysis method SW846 8082. The laboratory results and chain of custody are included in Appendices.

2.2.1 Source Material Sample Analysis Results

The analysis results of all collected caulking materials collected are summarized in Table 2.1. Note results in bold contain PCBs at ≥ 50 ppm or greater.

Table 2.1 – PCB Bulk Product Sample Analysis Results Summary

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
0123EMM-01P	Exterior windows (1956)	Gray Exterior window caulk	240 (Aroclor 1254) Reporting Limit, 19
0406EMM-07B	1968 - Gymnasium	Wood shellac floor	67 (Aroclor 1254) Reporting Limit, 9.1
0106EMM-01P	Roof (1956)	Skylight glazing compound	None Detected Reporting Limit, 2.0
0307EMM-23	Roof (1956)	Skylight glazing compound <i>Re-test due to elevated reporting limit noted on sample 0106EMM-01P</i>	None Detected Reporting Limit, 0.98
0106EMM-02P	Roof (1956)	Tar associated with rolled sheet roof	None Detected Reporting Limit, 13
0307EMM-25	Roof (1956)	Tar associated with rolled sheet roof <i>Re-test due to elevated reporting limit noted on sample 0106EMM-02P</i>	None Detected Reporting Limit, 0.96
0106EMM-03P	Roof (1956)	Rolled sheet roof (top layer)	None Detected Reporting Limit, 0.45
0106EMM-04P	Roof (semi-circle) (1956)	Caulk associated with brick/metal flashing	None Detected Reporting Limit, 0.99
0106EMM-05P	Roof (1956)	Pitch box flashing	None Detected Reporting Limit, 0.33
0106EMM-06P	Roof (1956)	Roof drain flashing	None Detected Reporting Limit, 1.0
0307EMM-24	Roof (1956)	Roof drain flashing <i>Re-test due to elevated reporting limit noted on sample 0106EMM-06P</i>	None Detected Reporting Limit, 0.97
0106EMM-07P	Roof (1968)	Bottom layer roof	None Detected Reporting Limit, 0.40
0106EMM-08P	Roof (1968)	Top layer roof	None Detected Reporting Limit, 0.50
0106EMM-09P	Roof (1968)	Bottom layer roof	None Detected Reporting Limit, 0.67
0106EMM-10P	Roof (1956)	Top layer roof	None Detected Reporting Limit, 0.50
0106EMM-11P	Roof (1968)	Caulk associated with exhaust vent	1.4 (Aroclor 1254) Reporting Limit, 1.0

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
0106EMM-12P	Roof-parapet (1956)	Caulk associated with vent	None Detected Reporting Limit, 0.97
0106EMM-13P	Roof (1956)	Caulk associated with exhaust vent	None Detected Reporting Limit, 0.99
0106EMM-14P	Roof (1968)	Vent flashing	None Detected Reporting Limit, 1.3
0307EMM-27	Roof (1968)	Caulk associated with exhaust vent <i>Re-test due to elevated reporting limit noted on sample 0106EMM-14P</i>	None Detected Reporting Limit, 0.50
0106EMM-15P	Roof (1956)	Vent flashing	None Detected Reporting Limit, 1.5
0307EMM-26	Roof (1956)	Caulk associated with exhaust vent <i>Re-test due to elevated reporting limit noted on sample 0106EMM-15P</i>	0.61 Aroclor 1248 0.95 Aroclor 1254 Total PCBs, 1.56 Reporting Limit, 0.50
0106EMM-16P	Roof (1956)	Rolled sheet flashing (top layer)	None Detected Reporting Limit, 0.48
0106EMM-17P	Roof (1956)	Rolled sheet flashing (top layer)	None Detected Reporting Limit, 0.50
0106EMM-18P	Roof-parapet (under metal) (1968)	Flashing	None Detected Reporting Limit, 0.71
0106EMM-19P	Roof-parapet (under metal) (1956)	Flashing	None Detected Reporting Limit, 18
0406EMM-13	Roof-parapet (under metal) (1956)	Flashing <i>Re-test due to elevated reporting limit noted on sample 0106EMM-19P</i>	None Detected Reporting Limit, 0.48
0106EMM-20P	Roof-parapet (1956)	Caulk	None Detected Reporting Limit, 0.91
0106EMM-21P	Roof-perimeter (1968)	Flashing	None Detected Reporting Limit, 0.91
0106EMM-22P	Roof-perimeter (1956)	Flashing	None Detected Reporting Limit, 0.25
0123EMM-02P	Exterior windows (1956)	Exterior window caulk at sash	4.2 (Aroclor 1254) Reporting Limit, 0.84
0123EMM-03P	Exterior windows (1956)	Exterior window glazing compound	4.7 (Aroclor 1254) Reporting Limit, 0.87
0123EMM-04P	Exterior windows -rear (1968)	Exterior window caulk	None Detected Reporting Limit, 0.84
0123EMM-05P	Exterior windows - rear (1968)	Exterior window glazing compound	None Detected Reporting Limit, 0.87
0123EMM-06P	Exterior doors (1968)	Exterior door caulk	None Detected Reporting Limit, 0.89

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
0123EMM-07P	Exterior expansion joints (1956/1968)	Exterior expansion joint caulk	None Detected Reporting Limit, 0.99
0123EMM-08P	Exterior doors Adj. garage doors (1968)	Exterior door caulk	1.4 (Aroclor 1254) Reporting Limit, 0.94
0123EMM-09P	Exterior doors (1956)	Exterior door caulk	None Detected Reporting Limit, 0.98
0123EMM-10P	Exterior doors (1956)	Exterior door caulk	None Detected Reporting Limit, 0.97
0123EMM-11P	Exterior windows café wing (1968)	Exterior window caulk	4.2 (Aroclor 1254) Reporting Limit, 0.88
0123EMM-12P	Exterior windows café/wing (1968)	Exterior window glazing compound	None detected Reporting Limit, 0.95
0123EMM-13P	Interior windows (1956)	Interior window caulk	31 (Aroclor 1254) Reporting Limit, 3.9
0123EMM-14P	Interior windows (1968)	Interior window caulk	5.5 Aroclor 1248 3.7 Aroclor 1254 Total PCBs, 9.2 Reporting Limit, 0.98
0123EMM-15P	Interior windows (1968)	Interior slate window sill caulk	5.5 (Aroclor 1254) Reporting Limit, 0.95
0123EMM-16P	Black composite sinks (1956)	Black sink basin caulk	4.1 Aroclor 1248 1.7 Aroclor 1254 Total PCBs, 5.8 Reporting Limit, 0.96
0123EMM-17P	Black composite sinks (1968)	Black sink basin caulk	2.7 Aroclor 1248 2.0 Aroclor 1254 Total PCBs, 4.7 Reporting Limit, 0.93
0123EMM-18P	Exterior behind brick (1968)	Blind flashing/Waterproofing	1.7 (Aroclor 1254) Reporting Limit, 0.17
0123EMM-19P	Exterior behind brick (1956)	Blind flashing/Waterproofing	18 (Aroclor 1254) Reporting Limit, 1.8
0123EMM-20P	Exterior behind brick (1956)	Blind flashing/Waterproofing	None detected Reporting Limit, 0.10

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
0307EMM-22	1956/1968	Interior CMU expansion joint caulk	16 Aroclor 1248 5.7 Aroclor 1254 Total PCBs, 21.7 Reporting Limit, 0.97
0406EMM-07A	1968 - Gymnasium	Wood shellac floor	23 (Aroclor 1254) Reporting Limit, 2.0
0406EMM-07C	1968 - Gymnasium	Wood shellac floor	11 (Aroclor 1254) Reporting Limit, 1.0
0406EMM-08A	1968 - Gymnasium	Mastic associated with cork under wood floor	2.6 Aroclor 1248 3.1 Aroclor 1254 Total PCBs, 5.7 Reporting Limit, 0.45
0406EMM-08B	1968 - Gymnasium	Mastic associated with cork under wood floor	2.3 (Aroclor 1248) 1.6 Aroclor 1254 Total PCBs, 3.9 Reporting Limit, 0.50
0406EMM-08C	1968 - Gymnasium	Mastic associated with cork under wood floor	None detected Reporting Limit, 0.50
0406EMM-09A	1968 – Gymnasium	Black tar vapor barrier under cork gym floor	7.4 (Aroclor 1254) Reporting Limit, 1.9
0406EMM-09B	1968 – Gymnasium	Black tar vapor barrier under cork gym floor	2.3 (Aroclor 1254) Reporting Limit, 0.48
0406EMM-09C	1968 – Gymnasium	Black tar vapor barrier under cork gym floor	2.4 (Aroclor 1254) Reporting Limit, 0.50
0406EMM-10A	1956 - Gymnasium	Wood shellac floor	0.62 (Aroclor 1248) Reporting Limit, 0.43
0406EMM-10B	1956 - Gymnasium	Wood shellac floor	0.36 Aroclor 1248 0.55 Aroclor 1254 Total PCBs, 0.91 Reporting Limit, 0.10

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
0406EMM-10C	1956 – Gymnasium	Wood shellac floor	0.39 Aroclor 1248 0.48 Aroclor 1254 Total PCBs, 0.87 Reporting Limit, 0.095
0406EMM-11A	1956 - Gymnasium	Vapor barrier under wood floor	3.1 Aroclor 1248 2.7 Aroclor 1254 Total PCBs, 5.8 Reporting Limit, 0.45
0406EMM-11B	1956 - Gymnasium	Vapor barrier under wood floor	1.5 Aroclor 1248 1.4 Aroclor 1254 Total PCBs, 2.9 Reporting Limit, 0.50
0406EMM-11C	1956 – Gymnasium	Vapor barrier under wood floor	2.3 Aroclor 1248 3.0 Aroclor 1254 Total PCBs, 5.3 Reporting Limit, 0.59
0406EMM-12	1956/1968	Black tar behind interior expansion joint	14 (Aroclor 1248) Reporting Limit, 5.0
0629EMM-11A	Pool-Ceiling (joint expansion caulk)	Precast-T's Ceiling Joint Pool (1968)	2.8 Aroclor 1248 8.0 Aroclor 1254 Total PCBs, 10.8
0629EMM-11B	Pool-Ceiling (joint expansion caulk)	Precast-T's Ceiling Joint Pool (1968)	None detected Reporting Limit, 0.91
0629EMM-11C	Pool-Ceiling (joint expansion caulk)	Precast-T's Ceiling Joint Pool (1968)	None detected Reporting Limit, 1.0
0121EMM-01A	Exterior behind brick (1956)	Blind flashing/Waterproofing	10.0 (Aroclor 1248) Reporting Limit, 3.6
0121EMM-01B	Exterior behind brick (1956)	Blind flashing/Waterproofing	15.0 (Aroclor 1248) Reporting Limit, 3.6
0121EMM-02A	Exterior behind brick (1968)	Blind flashing/Waterproofing	2.7 (Aroclor 1248) Reporting Limit, .073

Sample Number	Sampled Location	Material Description	Result (mg/kg or ppm)
0121EMM-02B	Exterior behind brick (1968)	Blind flashing/Waterproofing	1.7 (Aroclor 1248) Reporting Limit, 0.70
0121EMM-03A	1956/1968	Interior CMU expansion joint caulk	9.6 (Aroclor 1248) Reporting Limit, 0.73
0121EMM-03B	1956/1968	Interior CMU expansion joint caulk	11.0 (Aroclor 1248) Reporting Limit, 0.77
0121EMM-04A	Black composite sinks (1956) Rm 17	Black sink basin caulk	4.9 (Aroclor 1248) Reporting Limit, 0.78
0121EMM-04B	Black composite sinks (1956) Rm 17	Black sink basin caulk	8.7 (Aroclor 1248) Reporting Limit, 0.75
0121EMM-05A	Black composite sinks (1968)	Black sink basin caulk	2.5 (Aroclor 1248) Reporting Limit, 0.72
0121EMM-05B	Black composite sinks (1968)	Black sink basin caulk	3.0 (Aroclor 1248) Reporting Limit, 0.78
0121EMM-06A	Interior windows (1968) Rm 81	Interior slate window sill caulk	2.3 Aroclor 1248 2.7 Aroclor 1254 Total PCBs, 5.0 Reporting Limit, 0.70
0121EMM-06B	Interior windows (1968) Rm 83	Interior slate window sill caulk	87 (Aroclor 1254) Reporting Limit, 8.9
0121EMM-07A	Exterior doors Adj. garage doors (1968)	Exterior door caulk	1.8 (Aroclor 1254) Reporting Limit, 0.77
0121EMM-07B	Exterior doors Adj. garage doors (1968)	Exterior door caulk	2.3 (Aroclor 1254) Reporting Limit, 0.78
0121EMM-08A	Exterior windows café wing (1968)	Exterior window caulk	2.2 (Aroclor 1254) Reporting Limit, 0.73
0121EMM-08B	Exterior windows café wing (1968)	Exterior window caulk	2.9 (Aroclor 1254) Reporting Limit, 0.74

Laboratory analysis results and chain of custody are included in *Appendix A* for source materials.

2.2.2 Adjacent Porous Materials Sample Analysis Results

The analysis results of source and substrate materials are summarized in Table 2.2. The results from the sampling identify consistent results for PCBs in multiple samples, adjacent substrates do not contain PCBs, and construction history identifies these materials as original prior to 1984 and therefore indicate these materials do meet the definition of an “Excluded PCB Product as defined at 40 CFR Part §761.3. These materials will be handled under the Connecticut Department of Energy and Environmental Protection (CTDEEP) PCB’s containing waste.

Table 2.2

Sample Number	Sampled Location	Material Description	Result (mg/kg)
0406EMM-01A	1956 Wing – exterior Associated with exterior window caulk (270 PPM)	Core sample of brick to a depth of ½ inch	None detected Reporting Limit, 0.091
0406EMM-01B	1956 Wing – exterior Associated with exterior window caulk (270 PPM)	Core sample of brick to a depth of 1 inch	None detected Reporting Limit, 0.091
0406EMM-02A	1968 wing – cafeteria – exterior Associated with exterior window caulk (4.2 PPM)	Core sample of brick to a depth of ½ inch	None detected Reporting Limit, 0.095
0406EMM-02B	1968 wing – cafeteria – exterior Associated with exterior window caulk (4.2 PPM)	Core sample of brick to a depth of 1 inch	None detected Reporting Limit, 0.10
0406EMM-03A	1968 wing – adjacent garage Associated with exterior door caulk (1.4 PPM)	Core sample of brick to a depth of ½ inch	None detected Reporting Limit, 0.091
0406EMM-03B	1968 wing – adjacent garage Associated with exterior door caulk (1.4 PPM)	Core sample of brick to a depth of 1 inch	None detected Reporting Limit, 0.095
0406EMM-04A	Corridor – expansion joint (Right) Associated with interior expansion joint caulk (21.7 PPM)	Core sample of block (CMU Wall) to a depth of ½ inch	3.7, 0.89 (Aroclor 1248/1254) Reporting Limit, 0.50
0406EMM-04B	Corridor – expansion joint (Right) Associated with interior expansion joint caulk (21.7 PPM)	Core sample of block (CMU Wall) to a depth of ½ inch	2.6, 0.70 (Aroclor 1248/1254) Reporting Limit, 0.45
0406EMM-05A	1968 wing – interior – room 83 Associated with interior window caulk (9.2 PPM)	Core sample of block (CMU Wall) to a depth of ½ inch	0.21, 0.15 (Aroclor 1248/1254) Reporting Limit, 0.095
0406EMM-05B	1968 wing – interior – room 83 Associated with interior window caulk (9.2 PPM)	Core sample of block (CMU-Wall) to a depth of 1 inch	0.10 (Aroclor 1254) Reporting Limit, 0.095

Sample Number	Sampled Location	Material Description	Result (mg/kg)
0406EMM-06A	1956 wing – interior – room 63 Associated with interior window caulk (31 PPM)	Core sample of block to a depth of ½ inch	0.67, 0.14 (Aroclor 1248/1254) Reporting Limit, 0.091
0406EMM-06B	1956 wing – interior – room 63 Associated with interior window caulk (31 PPM)	Core sample of block to a depth of 1 inch	None detected Reporting Limit, 0.091
0629EMM-12	Exercise Gym (1968)	Concrete floor to a depth of 1 inch gymnasium (1968)	None detected Reporting Limit, 0.95

Note sampling was limited to maximum depth of 1". Laboratory analysis results and chain of custody are included in *Appendix B* for Adjacent porous material bulk samples.

2.2.3 Adjacent Non-Porous Materials Sample Analysis Results

No samples were collected of non-porous materials such as steel lintels. Steel structural components to remain such as steel lintels shall be cleaned to meet required visual standards and wipe sampling criteria for high occupancy use.

2.2.4 Adjacent Soil Sample Analysis Results

The results indicate that PCBs were not detected in the soil at the perimeter of the building at depths of 0-4.

Table 2.3

Sample Number	Sampled Location	Sample Depth	Result (mg/kg)
0307EMM-01A	Area 1, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-01B	Area 1, perimeter	4-8"	Not analyzed
0307EMM-02A	Area 1, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-02B	Area 1, perimeter	4-8"	Not analyzed
0307EMM-03A	Area 2, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-03B	Area 2, perimeter	4-8"	Not analyzed
0307EMM-04A	Area 2, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-04B	Area 2, perimeter	4-8"	Not analyzed
0307EMM-05A	Area 3, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-05B	Area 3, perimeter	4-8"	Not analyzed

Sample Number	Sampled Location	Sample Depth	Result (mg/kg)
0307EMM-06A	Area 3, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-06B	Area 3, perimeter	4-8"	Not analyzed
0307EMM-07A	Area 4, perimeter	0-4"	None detected Reporting limit, 0.18
0307EMM-07B	Area 4, perimeter	4-8"	Not analyzed
0307EMM-08A	Area 4, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-08B	Area 4, perimeter	4-8"	Not analyzed
0307EMM-09A	Area 4, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-09B	Area 4, perimeter	4-8"	Not analyzed
0307EMM-10A	Area 4, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-10B	Area 4, perimeter	4-8"	Not analyzed
0307EMM-11A	Area 4, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-11B	Area 4, perimeter	4-8"	Not analyzed
0307EMM-12A	Area 4, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-12B	Area 4, perimeter	4-8"	Not analyzed
0307EMM-13A	Area 5, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-13B	Area 5, perimeter	4-8"	Not analyzed
0307EMM-14A	Area 5, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-14B	Area 5, perimeter	4-8"	Not analyzed
0307EMM-15A	Area 5, perimeter	0-4"	None detected Reporting limit, 0.17
0307EMM-15B	Area 5, perimeter	4-8"	Not analyzed
0307EMM-16A	Area 6, perimeter	0-4"	None detected Reporting limit, 0.13
0307EMM-16B	Area 6, perimeter	4-8"	Not analyzed
0307EMM-17A	Area 7, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-17B	Area 7, perimeter	4-8"	Not analyzed
0307EMM-18A	Area 7, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-18B	Area 7, perimeter	4-8"	Not analyzed
0307EMM-19A	Area 7, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-19B	Area 7, perimeter	4-8"	Not analyzed
0307EMM-20A	Area 7, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-20B	Area 7, perimeter	4-8"	Not analyzed
0307EMM-21A	Area 7, perimeter	0-4"	None detected Reporting limit, 0.12
0307EMM-21B	Area 7, perimeter	4-8"	Not analyzed

Laboratory analysis results and chain of custody are included in *Appendix C* for soil samples.

3 Remediation Plan

The work described in this SIDP shall meet the objectives identified in section 1.2 Project Objectives in accordance with 40 CFR Part §761. The remediation work shall be performed to ensure compliance with EPA Toxic Substance Control Act (TSCA) requirements and protect both public health and the environment. Materials classified as PCB Bulk Product Waste and Bulk PCB Remediation Waste shall be properly disposed in compliance with federal and state regulatory requirements. Refer to HM-05 and HM-06 for locations requiring PCB abatement.

The proposed abatement activities to be performed by the Remediation Contractor shall include the following:

1. Site preparation and controls to facilitate remediation of PCBs.
2. Health and Safety in accordance with Occupation Safety and Health Administration (OSHA) requirements.
3. Recordkeeping and distribution as required in accordance with 40 CFR part § 761.125 (c) (5).

PCB ABATEMENT REQUIRMENTS

PCB Bulk Product Waste Removal

- PCB-01 – Remove existing exterior and interior window caulking (asbestos-containing) at all masonry window openings for disposal as PCB Bulk Product Waste ≥ 50 ppm.
- PCB-02 – Remove existing shellac/varnish from exercise gym and associated PCB-containing mastic and black tar vapor barrier from the gymnasium floor (1968) for disposal as PCB Bulk Product Waste ≥ 50 ppm.
- PCB-03 – Remove existing interior window sill caulking, and slate window sills at all window openings for disposal as PCB Bulk Product Waste ≥ 50 ppm.

Bulk PCB Remediation Waste Removal

- PCB-04– Remove existing interior expansion joint caulking, black tar behind expansion joint, and Concrete Masonry Unit (CMU) – 1 Course (16" Inches) of CMU on each side of the expansion joint caulking in two locations of the corridor of the 1956/1968 sections of the building for disposal as PCB Remediation Waste < 50 ppm..
- PCB-05 – Removal and off-site disposal of non-porous metal window assemblies including glass, PCB containing glazing compounds, transite panels (asbestos-containing), insulation etc. from all locations identified as PCB Remediation Waste ≥ 50 ppm.
- PCB-06 – Removal and off-site disposal of roof vent caulking from all vent locations identified as PCB Remediation Waste ≥ 50 ppm.

PCB-07 – Non-porous surfaces (exterior steel beam/lintel, roof vents) shall be cleaned to standard of $\leq 1 \mu\text{g}/100 \text{ cm}^2$.

Remediation activities to be performed shall include the following:

1. Monitoring remediation activities as Owner's representative shall be performed by Fuss & O'Neill EnviroScience, LLC.
2. Collection of verification samples in accordance with Sup-parts P and O in accordance with 40 CFR Part § 761 for PCB.
3. Site restoration shall be performed by Owner's general trades' contractor under separate contract following PCB remediation.

Prior to abatement and remediation activities, site preparation and controls shall be established. PCB Bulk Product Waste and Bulk PCB Remediation Waste will be removed and transported off-site for disposal at a permitted hazardous waste landfill which is an EPA, TSCA approved facility for PCB waste ≥ 50 ppm. Materials containing < 50 ppm that have not been classified as material containing ≥ 50 ppm will be transported to a non-hazardous solid waste disposal facility. PCB Bulk Product Waste shall be removed and properly disposed in accordance with 40 CFR Part § 761.62. Bulk PCB Remediation Waste shall be removed in accordance with Self-Implementing On-Site Cleanup and Disposal requirements in accordance with 40 CFR Part § 761.61.

3.1 Site Preparation and Controls

The work shall be performed in accordance with the attached SIDP technical specification section included in *Appendix D*. Prior to initiating PCB Removal the following site controls will be implemented.

- Remediation Contractor shall prepare a site specific work plan as detailed in specification section attached.
- Remediation Contractor shall prepare a Health & Safety Plan (HASP) developed specific to the site and work activities to be performed. All workers shall follow applicable federal and state regulation with regard to work activities, including but not limited to OSHA regulation including personal protection and respiratory protection requirements.
- Prior to any soil removal work, the boundaries of the excavation area shall be marked, properly secured, and a permit number obtained from "Call Before You Dig" shall be obtained. **(if applicable)**
- The project site shall be enclosed by a temporary construction fence. During all remediation activities, Remediation Contractor shall maintain control of all entrances and exits to the project site to ensure only authorized personnel enter the work areas and are afforded proper personal protective equipment and as required respiratory protection. All approaches to work areas shall be demarcated with appropriately worded warning signs.
- Work zones shall be established in accordance with technical specification to include abatement zone, decontamination zone and support zone.

- Ground protection to prevent debris from escaping the abatement zone and to protect areas outside of abatement zone from PCB contamination shall be utilized. Protection shall include the use of water impervious membrane covering which shall be secured to the ground surface. Edges shall be raised to prevent water run-off used for dust control during cutting and demolition of structures. The membrane shall be covered with a single layer of 6-mil polyethylene sheeting securely fastened to foundation. Refer to technical specification section for requirements.
- Isolation barriers shall be installed on interior side of window system to isolate these systems to the building exterior where work shall be performed. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the inside finish surfaces of walls to isolate window or door systems to the building exterior. Refer to technical specification section for requirements.
- Isolation barriers shall be installed on exterior side of window system to contain these systems where work shall be performed to minimize dispersal of dust and debris. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the exterior side finish surfaces to contain window or door systems. To minimize dust and debris contractor shall utilize negative pressure containment with use of negative air filtration units with HEPA filtration. Refer to technical specification section for requirements.
- All other openings to the building interior such as unit ventilation, ducts, and grilles shall be securely sealed with a single layer of 6-mil polyethylene sheeting from the building exterior. Refer to technical specification section for requirements.
- Ground protection and isolation barriers shall remain in place throughout work to collect dust and debris resulting from PCB Bulk Product Waste removal and Bulk PCB Remediation Waste removal. All debris generated during operations including but not limited to visible caulking, dust and debris shall be HEPA vacuumed continuously throughout the work shift and at the end of a work shift to avoid accumulation. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.
- It is anticipated that to facilitate the work movable staging or lifts will be utilized to access window systems. Wind screens consisting of 6-mil polyethylene sheeting shall be applied to staging or lift to prevent dispersal of dust and debris beyond the abatement zone. Platforms shall also be protected as appropriate to facilitate cleaning of dust and debris but not introduce trip or slip hazards.
- All equipment utilized to perform cutting, or demolition of adjacent materials shall be equipped with appropriate dust collection systems.
- All surfaces adjacent to materials removed shall be properly decontaminated upon completing the removal of PCB Bulk Product Waste and Bulk PCB Remediation Wastes. The work to cut and remove Bulk PCB Remediation Waste will result in dust on surfaces to remain and this dust may contain PCBs. All visible dust shall be removed using HEPA vacuums and wet cleaning methods with solvent or other acceptable products.

- Appropriate PCB waste containers shall be placed adjacent to abatement zones. Containers shall be lined covered and secured. The PCB waste containers shall be properly marked as described in 40 CFR part § 761.40 and § 761.45.

3.2 Removal Procedures

The following removal procedures shall be utilized to conduct PCB Bulk Product Waste and Bulk PCB Remediation Waste removal.

3.2.1 PCB Bulk Product Waste Materials

PCB Bulk Product Waste Materials including exterior/interior window caulking and PCB Remediation Waste including non-porous metal window assemblies including glass, PCB containing glazing compounds, and shellac/varnish and associated mastic and black tar vapor barrier from the gymnasium floor (1968) shall be handled and removed from specified locations for proper disposal. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with dust collection systems. Any dry or brittle caulking or glazing compound materials or other PCB Bulk Product waste shall be removed with additional engineering controls such as use of a HEPA vacuum to remove accumulated dust or debris during removal. Once removed, materials shall be placed in lined containers or into appropriate temporary containers such as 6-mil polyethylene disposal bags for controlled transport to PCB waste containers at the end of each work shift. PCB Bulk Product Waste shall be stored for disposal in accordance with 40 CFR §761.65 and marked in accordance with 40 CFR Part § 761.40 and § 761.45. Sequence of removal shall follow the following general requirements:

1. PCB window caulking (1956) (including materials associated with those windows that were < 50 PPM) shall be removed from all windows at masonry openings and properly containerized for disposal as PCB Bulk Product Waste \geq 50 ppm. Surfaces from which PCB caulking has been removed shall be cleaned with solvent based cleaner and wire brush to remove all visible caulking prior to proceeding with removal of PCB Remediation Waste.
2. PCB shellac/varnish (1968) (including mastic and black tar vapor barrier that were < 50 PPM) shall be removed and properly containerized for disposal as PCB Bulk Product Waste \geq 50 ppm.
3. PCB interior window sill caulking including slate window sills (1968) shall be removed from all window opening for disposal as PCB Bulk Product Waste \geq 50 ppm. Surfaces from which PCB caulking has been removed (metal) shall be cleaned with solvent based cleaner and wire brush to remove all visible caulking.

3.2.2 Bulk PCB Remediation Waste – Adjacent Building Materials

The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB remediation waste show evidence of free liquid water, pooling, or

ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with 40 CFR § 761.79 (b) or disposed of as PCB Liquid Waste in accordance with 40 CFR Part § 761.60 (a). All rags and other cleaning materials used to clean shall also be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be disposed of in accordance with 40 CFR Part § 761.61(a)(5)(i)(B)(2)(iii). All waste containers shall comply with 40 CFR § 761.65 and shall be appropriately labeled in accordance with 40 CFR Part § 761.40 and § 761.45. Sequence of removal shall follow the following general requirements:

1. Steel lintels to remain shall be stripped of all paint and surface ground smooth. Non-porous surfaces (exterior steel beam/lintel) shall be cleaned to standard of $\leq 1 \mu\text{g}/100 \text{ cm}^2$.
2. Steel lintels to be removed shall be stripped of all paint and surfaces ground smooth. Non-porous surfaces (exterior steel beam/lintel) shall be cleaned to standard of $\leq 1 \mu\text{g}/100 \text{ cm}^2$, and recycled.
3. Once materials have been removed and surfaces cleaned EnviroScience shall be notified. Post testing verification sampling shall be performed once visually inspected to verify removal and cleaning, as per Subpart P.

3.3 Verification Sampling Plan

Following the completion of the Bulk PCB Remediation Waste shall implement the following verification sampling plan in accordance with 40 CFR Part § 761.61 (6) and to the extent applicable Sub-part O and P.

Upon completion of work in each area, a visual inspection of all remediated surfaces for visible evidence of dust and debris shall be performed. Surfaces shall also be inspected for visible PCB source materials that may not have been removed. The visual inspection shall provide in a preliminary way, verification that remediation work has been completed in accordance with this SIPD. Visual inspection shall ensure no visible dust or debris is present on adjacent surfaces where caulking was removed and adjacent surface cutting is completed. In addition to the remediation surfaces the surfaces of protective coverings and isolation barriers shall be inspected to ensure they are cleaned of dust and debris. No sampling shall be performed until the visual inspection is complete and the clearance criteria satisfied in each work area. The project shall be phased in accordance with proposed construction schedule. .

3.3.1 Porous Brick (Verification Sampling)

Brick surfaces shall be evaluated to verify that removal of Bulk PCB Remediation Waste has resulted in surfaces with ≤ 1 ppm for unrestricted use based on high occupancy use of the structure. EnviroScience shall follow the EPA “Standard Operating Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)” (dated May 11, 2011) as prepared by the Office of Environmental Measurement and Evaluation, EPA New England Region 1., to collect verification samples. The areas to be sampled shall be representative of the variety of conditions identified. Appropriate control samples shall also be collected.

The locations of samples shall be based on visual inspection results. Locations requiring sample verification will be performed on associated masonry openings associated with window systems and exercise gym floor. The surfaces to be verified are irregular shaped and the requirements for sample location and quantity as detailed in Sub-part O (alternative) shall be applied in a linear fashion in lieu of a

grid pattern. The surfaces involve linear surfaces of vertical/horizontal jambs on multiple masonry openings resulting from PCB caulking materials. Sampling shall be conducted in accordance with the following protocol:

Windows – One chip sample shall be collected from each jamb having a linear dimension of **10 feet** or less. Two chip samples shall be collected from each jamb having a linear length of not more than 20 linear feet.

The Building where work is required has vertical/horizontal joints associated with rough openings for windows at the following delineations per designated side elevations:

Southeast Elevation 1956 Section

- 66 windows (1st and 2nd floor) with 2 vertical joints each containing 20 linear feet of caulk per joint and 1 horizontal joint at sill containing 297 linear feet of caulk
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 30 chip samples will be collected from the horizontal joint
(32 samples)

Total verification sampling for Southeast Elevation = 38 samples.

Southeast Elevation - Section B-B 1956 Section

- 21 windows (1st and 2nd floor) with 2 vertical joints each containing 20 linear feet of caulk per joint and 1 horizontal joint at sill containing 95 linear feet of caulk (left of center core)
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 10 chip samples will be collected from the horizontal joint
(12 samples)
- 14 windows (1st and 2nd floor) with 2 vertical joints each containing 20 linear feet of caulk per joint and 1 horizontal joint at sill containing 63 linear feet of caulk (right of center core)
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 9 chip samples will be collected from the horizontal joint
(11 samples)
- 3 windows (2nd floor) with 2 vertical joints each containing 12 linear feet per joint and 1 horizontal joint at sill containing 12 linear feet of caulk
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 2 chip samples will be collected from the horizontal joint
(4 samples)

Total verification sampling for Southeast Elevation – Section B-B = 27 samples.

South Elevation 1956 Section

- 3 windows (2nd floor) with 2 vertical joints each containing 12 linear feet per joint and 1 horizontal joint at sill containing 12 linear feet of caulk
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 2 chip samples will be collected from the horizontal joint
(4 samples)

Total verification sampling for South Elevation = 4 samples.

Northeast Elevation-South End 1956 Section

- 3 windows (1st and 2nd floor) with 2 vertical joints each containing 20 linear feet per joint and 1 horizontal joint at sill containing 12 linear feet of caulk
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 2 chip samples will be collected from the horizontal joint
(4 samples)
- 51 windows (1st and 2nd floor, partial just 2nd floor) with 1 vertical joint containing 20 linear feet, 1 vertical joint containing 14 linear feet (1st floor), 1 vertical joint (2nd floor) containing 6 linear feet, 1 horizontal joint at sill containing 153 linear feet of caulk (1st floor), and 1 horizontal joint at sill containing 77 linear feet of caulk (2nd floor)
 - **Verification sampling** – 2 chip samples will be collected from the vertical joint containing 20 linear feet of caulk, 2 chip samples will be collected from the vertical joint containing 14 linear feet, 1 chip samples will be collected from the vertical joint containing 6 linear feet, 16 chip samples will be collected from the horizontal joint at 1st floor, and 8 chip samples will be collected from the horizontal joint at 2nd floor
(29 samples)

Total verification sampling for Northeast Elevation = 33 samples.

Southwest Elevation-South End Court yard-Guidance 1956 Section

- 22 windows (1st and 2nd floor) with 2 vertical joints each containing 20 linear feet of caulk per joint and 1 horizontal joint at sill containing 99 linear feet of caulk
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 10 chip samples will be collected from the horizontal joint
(14 samples)

Total verification sampling for Southwest Elevation-South End Courtyard/Guidance = 14 samples.

Northwest Elevation-Section A-A 1956 Section

- 26 windows (1st floor) with 2 vertical joints each containing 10 linear feet of caulk per joint and 1 horizontal joint at sill containing 117 linear feet of caulk
 - **Verification sampling** – 1 chip samples will be collected from each vertical joint (2) and 12 chip samples will be collected from the horizontal joint
(14 samples)

Total verification sampling for Northwest Elevation – Section A-A = 14 samples.

Northeast Elevation-North End 1956 Section

- 36 windows with 6 vertical joints each containing 10 linear feet of caulk at each vertical joint and 3 horizontal joints at sill totaling 162 linear feet of caulk
 - **Verification sampling** – 1 chip samples will be collected from each vertical joint (6) and 17 chip samples will be collected from the horizontal joint
(23 samples)

Total verification sampling for Northeast Elevation – North End = 23 samples.

Northwest corner Elevation 1956 Section

- 14 windows with 4 vertical joints containing 8 linear feet of caulk at each vertical joint and 1 horizontal joint at sill containing 63 linear feet of caulk
 - **Verification sampling** – 1 chip samples will be collected from each vertical joint (4) and 7 chip samples will be collected from the two horizontal joints
(11 samples)

Total verification sampling for Northwest Elevation = 11 samples.

Southwest Elevation North End-Cafeteria 1956 Section

- 3 windows with 2 vertical joints each containing 14 linear feet of caulk at each vertical joint and 1 horizontal joints at sill containing 14 linear feet of caulk
 - **Verification sampling** – 3 chip samples will be collected from each vertical joint (2) and 2 chip samples will be collected from the horizontal joint
(5 samples)

Total verification sampling for Southwest Elevation – North End/Cafeteria =5 samples.

South Elevation Cafeteria 1956 Section

- 4 windows with 2 vertical joints each containing 14 linear feet of caulk at each vertical joint and 1 horizontal joints at sill containing 18 linear feet of caulk
 - **Verification sampling** – 2 chip samples will be collected from each vertical joint (2) and 2 chip samples will be collected from the horizontal joint
(6 samples)

Total verification sampling for South Elevation – Cafeteria = 6 samples.

West Elevation Boy's Locker Room 1956 Section

- 6 windows with 2 vertical joints each containing 5 linear feet of caulk at each vertical joint and 1 horizontal joint at lintel containing 12 linear feet of caulk
 - **Verification sampling** – 1 chip sample will be collected from each vertical joint (2) and 2 chip samples will be collected from the horizontal joint
(4 samples)

Total verification sampling for West Elevation – Boy's Locker Room = 4 samples.

Northwest Elevation – Roof 1956 Section

- 1 window with 2 vertical joints each containing 5 linear feet of caulk at each vertical joint and 1 horizontal joint at lintel containing 4 linear feet of caulk
 - **Verification sampling** – 1 chip sample will be collected from each vertical joint (2) and 1 chip sample will be collected from the horizontal joint
(3 samples)

Total verification sampling for Northwest Elevation – Roof = 3 samples.

Southwest Elevation-Classrooms 1968 Section

- 74 windows (1st and 2nd floor) 1 horizontal joint at window sill containing 224 linear feet of window sill caulk
 - **Verification sampling** – 23 wipe samples will be collected from each horizontal joint (1) of the metal windows
(23 samples)

**Total verification sampling for Southwest Elevation-Classrooms 1968 Section
= 23 samples.**

Court Yard- South Elevation 1968 Section

- 20 windows (1st and 2nd floor) 1 horizontal joint at window sill containing 64 linear feet of window sill caulk
 - **Verification sampling** – 7 wipe samples will be collected from each horizontal joint (1) of the adjacent metal windows
(7 samples)

Total verification sampling for Court Yard-South 1968 Section
= 7 samples.

Court Yard- West Elevation 1968 Section

- 28 windows (1st and 2nd floor) 1 horizontal joint at window sill containing 84 linear feet of window sill caulk
 - **Verification sampling** – 9 wipe samples will be collected from each horizontal joint (1) of the adjacent metal windows
(9 samples)

Total verification sampling for Court Yard-West 1968 Section
= 9 samples.

West Elevation 1968 Section

- 14 windows (1st floor) 1 horizontal joint at window sill containing 70 linear feet of window sill caulk
 - **Verification sampling** – 7 wipe samples will be collected from each horizontal joint (1) of the adjacent metal windows
(7 samples)

Total verification sampling for West Elevation 1968 Section
= 7 samples.

South Elevation-Cafeteria 1968 Section

- 1 windows (1st floor) 1 horizontal joint at window sill containing 5 linear feet of window sill caulk
 - **Verification sampling** – 1 wipe samples will be collected from each horizontal joint (1) of the adjacent metal windows
(1 samples)

Total verification sampling for South Elevation-Cafeteria 1968 Section
= 1 samples.

1968 Exercise Gymnasium (Small Gym) (Approximately 1,000 SF)

- Shellac/varnish wood floor (≥ 50 PPM) and black mastic and tar vapor barrier associated with wood floor (>1 PPM but less than 50 PPM) will be removed. Verification sampling will be performed in 10 representative samples of concrete sub floor will be collected in the 1968 auxiliary gymnasium.

Total verification sampling for 1968 Exercise Gymnasium (Small Gym) = 10 samples.

1956/1968 Interior expansion joint compound caulking (Approximately 40 LF)

- Interior expansion joint compound caulk (1956/1968)

Total verification sampling for 156/1968 Interior expansion joint compound caulking = 4 samples

A total of 356 samples for verification shall be collected along with 5% duplicate samples (18 samples), totaling 374 samples. The laboratory shall be an accredited laboratory for PCB analysis. The analysis method shall include extraction using EPA Method 3540C (Soxhlet Extraction) and analysis method SW846 8082.

Results of analysis shall be compared to the clearance objective which for unrestricted use shall be ≤ 1 ppm. If any location exceeds this clearance objective, additional removal will be conducted.

4 Schedule and Plan Certification

It is the intent of the Owner (Meriden Public Schools) to begin the removal of PCB Bulk Product Materials and Bulk PCB Remediation Waste during proposed construction in four separate phases beginning in the summer of 2013, and completing all work by 2017. Other non-PCB work will occur in the in the same time period in accordance with the overall construction plan. It is anticipated that the work shall be performed as expeditiously as possible including removal of PCB Bulk Product Waste followed by the removal of Bulk PCB Remediation Waste from adjacent surfaces. Upon completing the Bulk PCB Remediation Waste removal and verification sampling confirming the Project Objectives are met, the renovation project shall commence. **Additionally, no PCB Abatement work shall be performed while school is in session. The PCB Abatement work will be conducted while the school is vacant.**

The Owner hereby certifies that all the sampling plans, sample collection procedures, sample preparation procedures, extraction procedures and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the School and available for EPA inspection.



Owner's Representative,
Michael Grove, Assistant Superintendent

03/14/2013

Date



Fuss & O'Neill EnviroScience, LLC Representative
Carlos Texidor, Project Manager

03/14/2013

Date

Remediation Contractor Representative
To be determined

Date

Figures

1-1 Site Location Map



To see all the details that are visible on the screen, use the "Print" link next to the map.

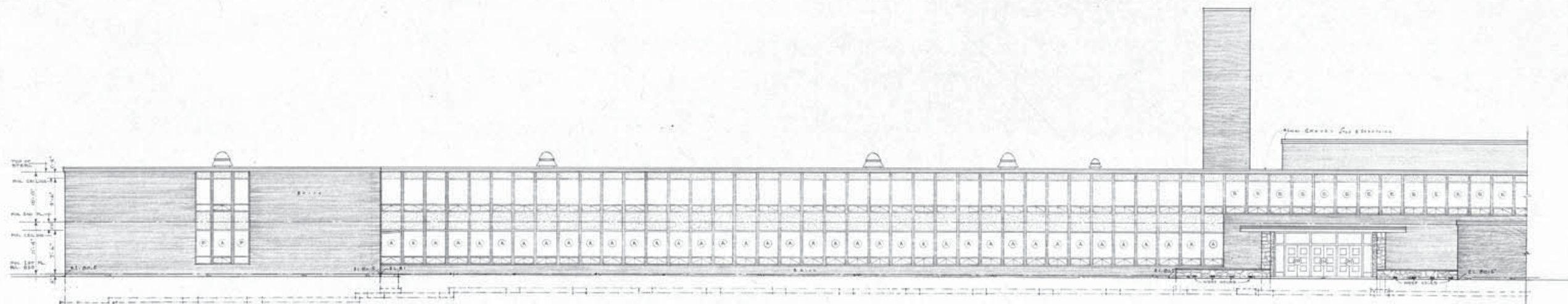


Take your map anywhere

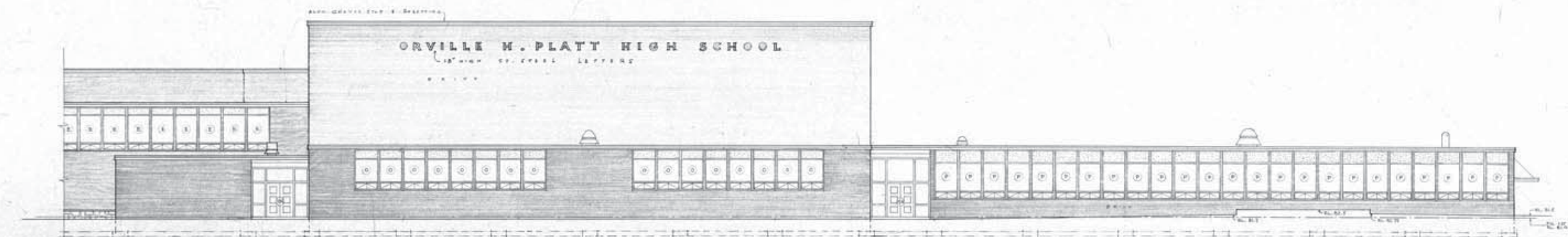


[Learn how](#)

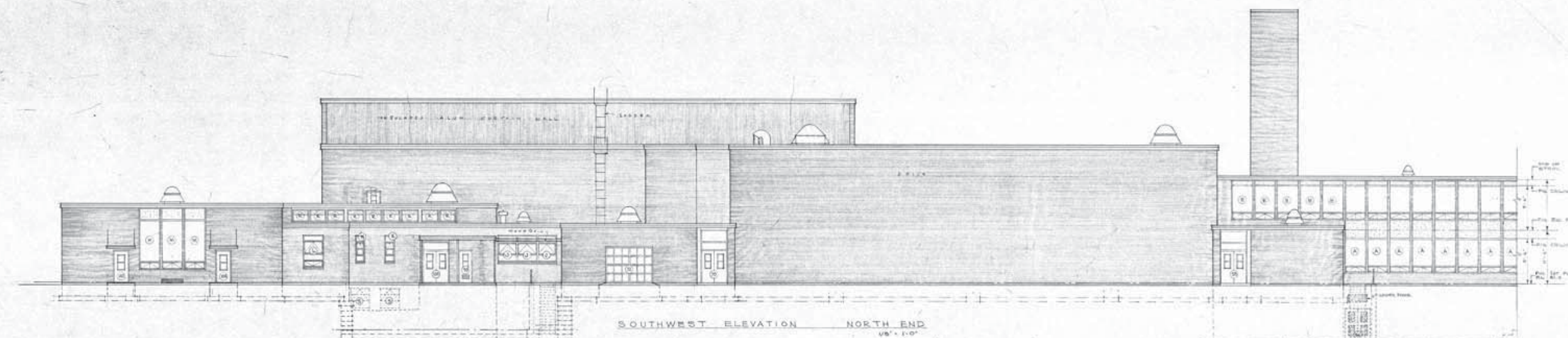
2-1 Window Elevations Drawing



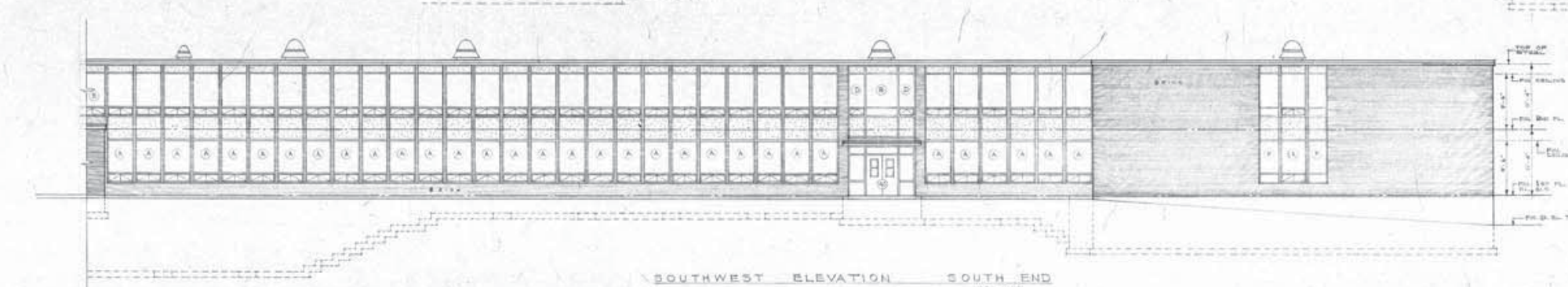
NORTHEAST (COE AVENUE) ELEVATION SOUTH END
1/8" = 1'-0"



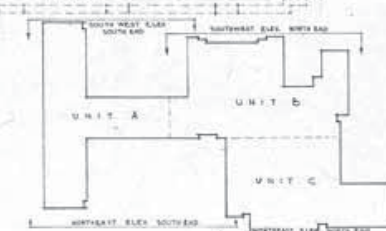
NORTHEAST (COE AVENUE) ELEVATION NORTH END
1/8" = 1'-0"



SOUTHWEST ELEVATION NORTH END
1/8" = 1'-0"



SOUTHWEST ELEVATION SOUTH END
1/8" = 1'-0"



ELEVATIONS
WEST SIDE SENIOR HIGH SCHOOL
COE AVENUE AND OREGON ROAD
MERIDEN, CONN.

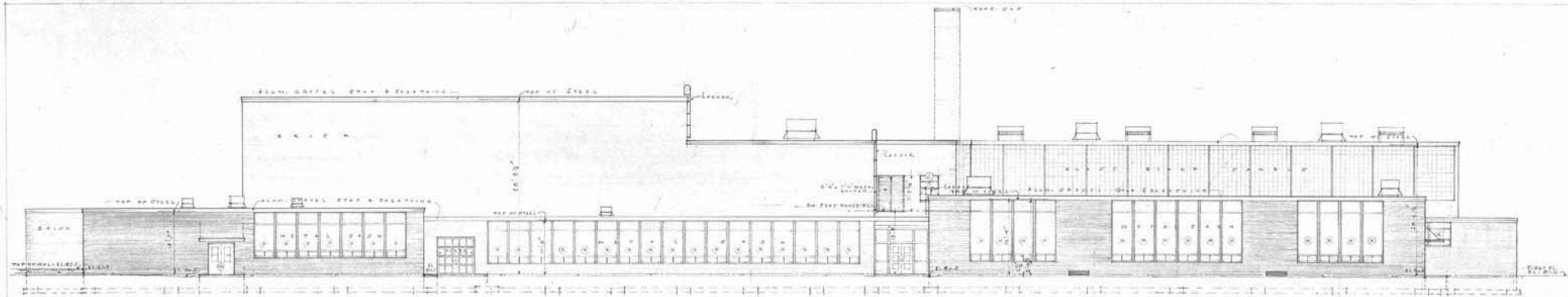
WILLARD WILKINS

ARCHITECT
945 ASYLUM AVENUE
HARTFORD 5, CONN.

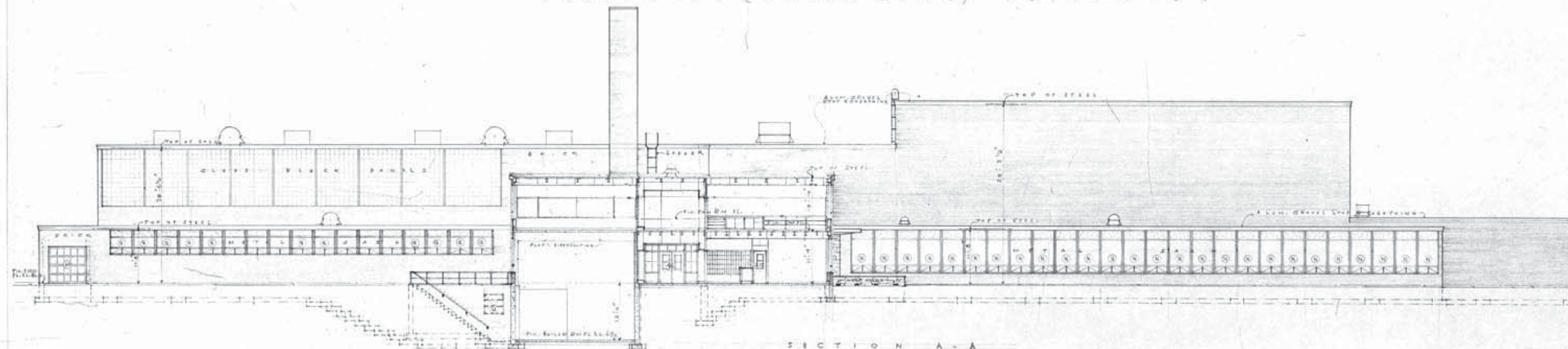
SCALE 1/8" = 1'-0" CHECKED BY

DRAWN BY

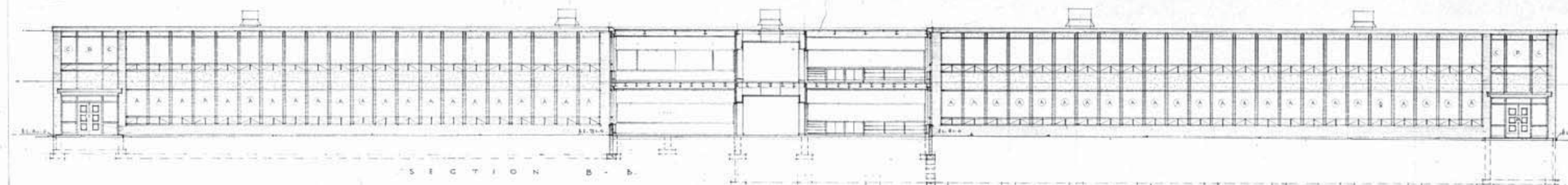
DATE 3-10-34 DRAWING NO. 11



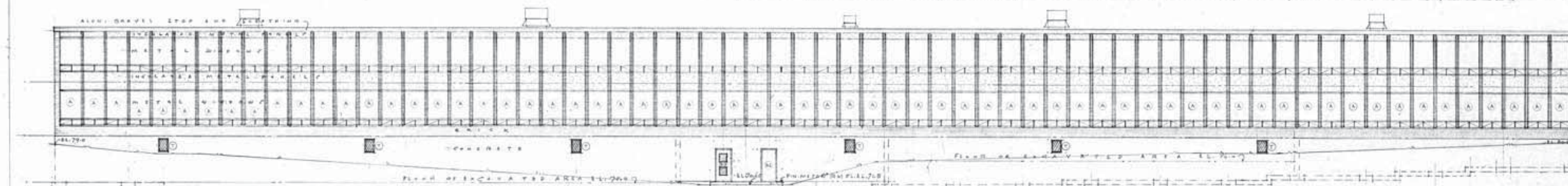
NORTH WEST (OREGON ROAD) ELEVATION



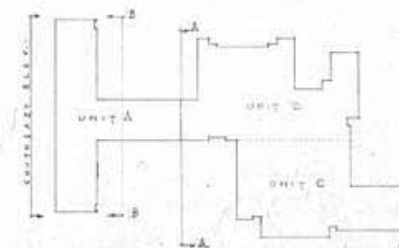
SECTION A - A



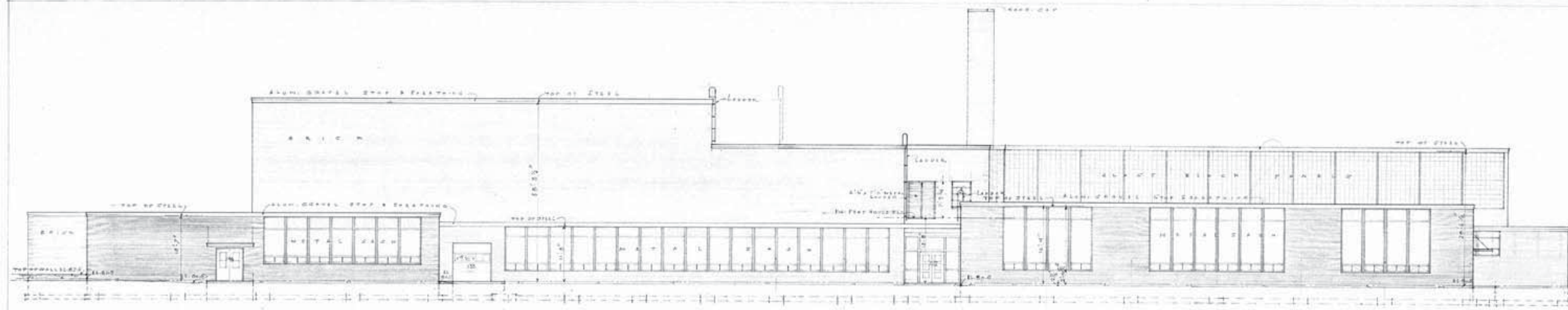
SECTION B - B



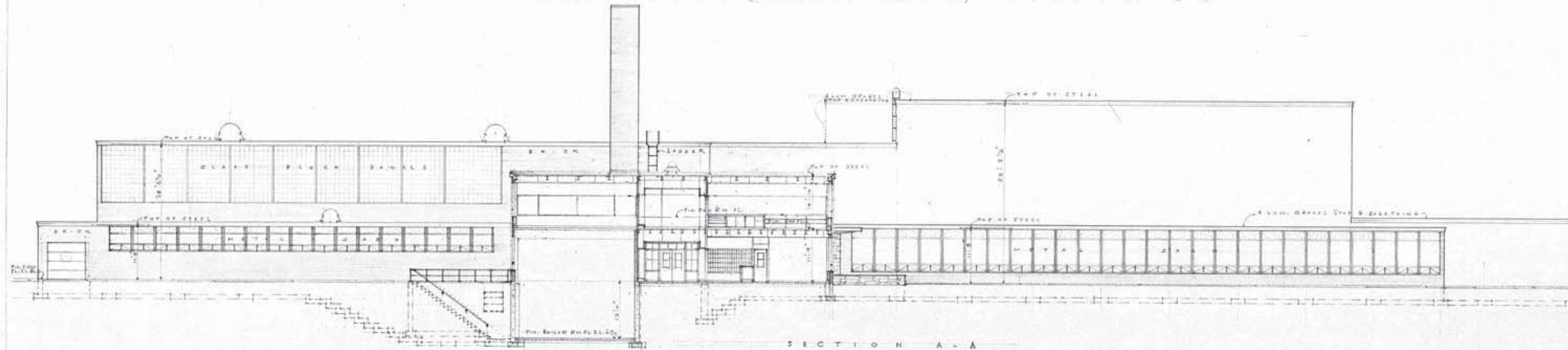
SOUTHEAST ELEVATION



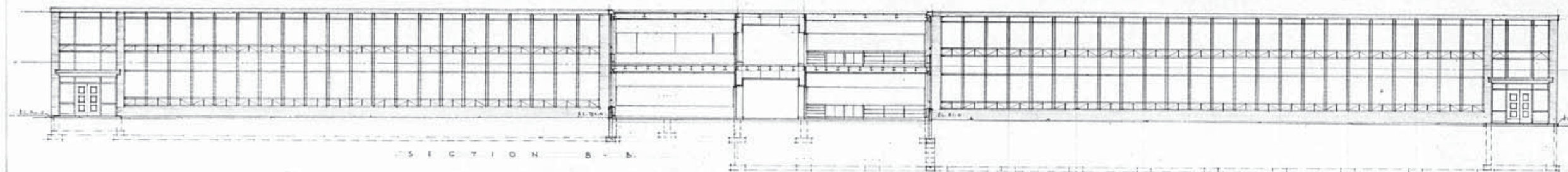
ELEVATIONS
WEST SIDE SENIOR HIGH SCHOOL
COC AVENUE AND OREGON ROAD
MERIDEN, CONN.
WILLARD WILKINS
ARCHITECT
345 ASYLUM AVENUE
HARTFORD 5, CONN.
SCALE 1/4" = 1'-0"
DRAWN BY C.H. & W.H. CHECKED BY W.H. & C.H.
DATE 9-10-56 DRAWING NO. 12



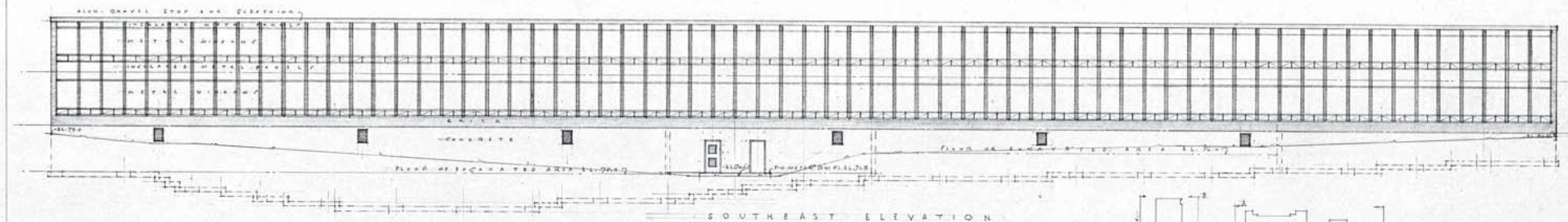
NORTH WEST (OREGON ROAD) ELEVATION



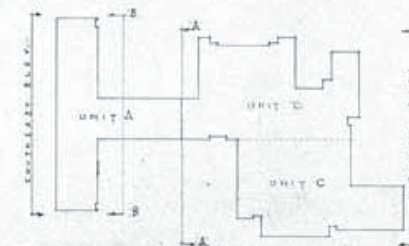
SECTION A-A



SECTION B-B



SOUTHEAST ELEVATION



ELEVATIONS
WEST SIDE SENIOR HIGH SCHOOL
COE AVENUE AND OREGON ROAD
MERIDEN, CONN.
WILLARD WILKINS
ARCHITECT
345 ASKEW AVENUE
HARTFORD 5, CONN.
SCALE _____ CHECKED BY _____
DRAWN BY _____
DATE _____ DRAWING NO. 12

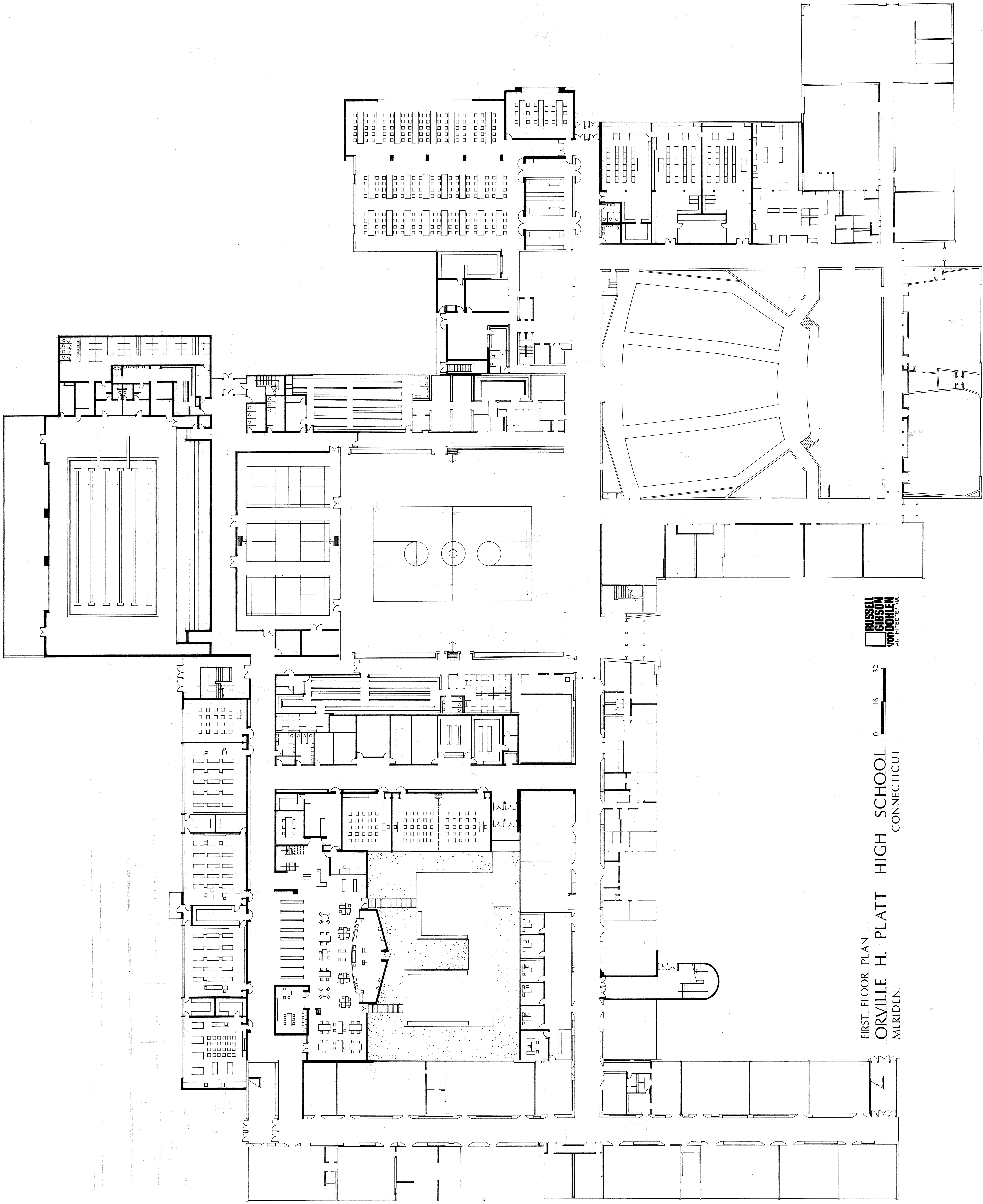
3-1 Window Elevations -Photographs







HM-01 Existing First Floor Plan

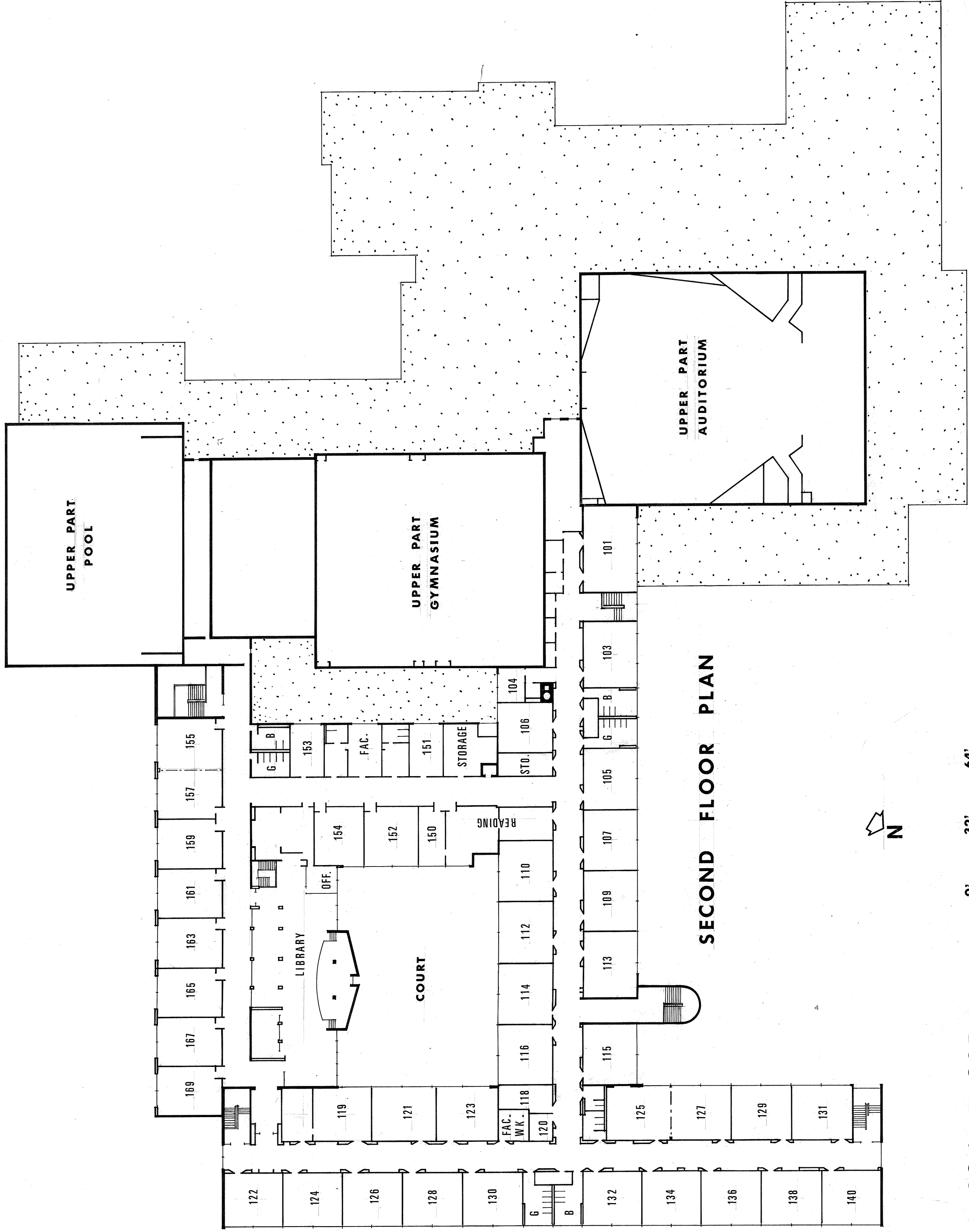


FIRST FLOOR PLAN
ORVILLE H. PLATT HIGH SCHOOL
MERIDEN
CONNECTICUT

RUSSELL
GIBSON
VON DOHLEN
ARCHITECTS P.A.

0 16 32

HM-02 Existing Second Floor Plan



PCB-01 PCBs Source Materials Sample Locations

PCB-02 PCBs Soil Sampling Locations


PCB-03 PCBs Roof Sampling Locations



PROJ. No.: 20111127.A1E
DATE: 07/16/2012

PCB-03

CITY OF MERIDEN
PCB ROOF SAMPLING LOCATIONS
ORVILLE H. PLATT HIGH SCHOOL
220 COE AVENUE
MERIDEN, CT

**FUSS & O'NEILL**
EARTH SCIENCES, LLC
146 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
www.foss.com

SCALE:
HORIZ.: N.T.S.
VERT.:
DATUM:
HORIZ.:
VERT.:

SEAL
SEAL

1. No. DATE DESCRIPTION
DESIGNER REVIEWER

Appendix A

Laboratory Analysis and Chain of Custody – Source Materials-Bulk

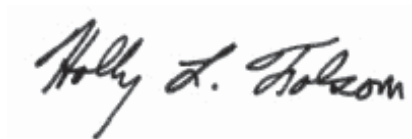
January 16, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Platt High School, Meridan, CT
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12A0201

Enclosed are results of analyses for samples received by the laboratory on January 9, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Holly L. Folsom". The signature is written in a cursive, flowing style.

Holly L. Folsom
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 1/16/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12A0201

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt High School, Meridan, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0106EMM-01P	12A0201-01	Caulk	Skylight Glaze Cmpd. (1956)	SW-846 8082A	
0106EMM-02P	12A0201-02	Product/Solid	Tar at rolled sheet roof (1956 loc-23)	SW-846 8082A	
0106EMM-03P	12A0201-03	Product/Solid	Top layer rolled sheet roof (1956 loc-23)	SW-846 8082A	
0106EMM-04P	12A0201-04	Caulk	Caulk at Brick (1956 (Circle))	SW-846 8082A	
0106EMM-05P	12A0201-05	Product/Solid	Pitch box flashing (1956 loc.16)	SW-846 8082A	
0106EMM-06P	12A0201-06	Product/Solid	Roof drain flashing (1956 loc.20)	SW-846 8082A	
0106EMM-07P	12A0201-07	Product/Solid	Bottom layer roof (1968-loc.30)	SW-846 8082A	
0106EMM-08P	12A0201-08	Product/Solid	Top layer roof (1968-loc.30)	SW-846 8082A	
0106EMM-09P	12A0201-09	Product/Solid	Bottom layer roof (1956-loc.20)	SW-846 8082A	
0106EMM-10P	12A0201-10	Product/Solid	Top layer roof (1956-loc.20)	SW-846 8082A	
0106EMM-11P	12A0201-11	Caulk	Caulk at exhaust vent (1968-loc.4(Tan/Grey))	SW-846 8082A	
0106EMM-12P	12A0201-12	Caulk	Caulk at paropet Vent (1956-loc.10(blk))	SW-846 8082A	
0106EMM-13P	12A0201-13	Caulk	Caulk & exhaust vent (1956-loc.16(White))	SW-846 8082A	
0106EMM-14P	12A0201-14	Product/Solid	Vent flashing (1968-loc.30)	SW-846 8082A	
0106EMM-15P	12A0201-15	Product/Solid	Vent flashing (1956-loc.26)	SW-846 8082A	
0106EMM-16P	12A0201-16	Product/Solid	Top layer-Rolled Sheet Flash. (1956-loc.5)	SW-846 8082A	
0106EMM-17P	12A0201-17	Product/Solid	Top layer-Rolled Sheet Flash. (1968-loc.21)	SW-846 8082A	
0106EMM-18P	12A0201-18	Product/Solid	Flashing Paropet (Under Metal) (1968-loc.2)	SW-846 8082A	
0106EMM-19P	12A0201-19	Product/Solid	Flashing Paropet Under Metal (1956-loc.11)	SW-846 8082A	
0106EMM-20P	12A0201-20	Caulk	Caulk @ Paropet (1956-loc.20)	SW-846 8082A	
0106EMM-21P	12A0201-21	Product/Solid	Perimeter Flashing (Under Metal) (1968-loc.5)	SW-846 8082A	
0106EMM-22P	12A0201-22	Product/Solid	Perimeter Flashing (Under Metal) (1956-loc.21)	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Elevated method reporting limit due to insufficient sample volume

Analyte & Samples(s) Qualified:

12A0201-14[0106EMM-14P], 12A0201-15[0106EMM-15P]

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

12A0201-02[0106EMM-02P], 12A0201-06[0106EMM-06P], 12A0201-19[0106EMM-19P]

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248

12A0201-15[0106EMM-15P]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

12A0201-02[0106EMM-02P], 12A0201-19[0106EMM-19P]

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C], Aroclor-1260 [2C]

B044154-BS1, B044154-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "M. Erickson", is displayed on a light gray rectangular background.

Michael A. Erickson
Laboratory Director

Project Location: Platt High School, Meridan, CT

Sample Description: Skylight Glaze Cmpd. (1956)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-01P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1221 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1232 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1242 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1248 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1254 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1260 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1262 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Aroclor-1268 [1]	ND	2.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:21	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	117		30-150				1/13/12 17:21		
Decachlorobiphenyl [2]	96.6		30-150				1/13/12 17:21		
Tetrachloro-m-xylene [1]	93.3		30-150				1/13/12 17:21		
Tetrachloro-m-xylene [2]	98.3		30-150				1/13/12 17:21		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Tar at rolled sheet roof (1956 loc-23)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-02P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-02

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1221 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1232 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1242 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1248 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1254 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1260 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1262 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Aroclor-1268 [1]	ND	13	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:11	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			1/14/12 17:11	
Decachlorobiphenyl [2]	*	30-150			S-01			1/14/12 17:11	
Tetrachloro-m-xylene [1]	*	30-150			S-01			1/14/12 17:11	
Tetrachloro-m-xylene [2]	*	30-150			S-01			1/14/12 17:11	

Project Location: Platt High School, Meridan, CT

Sample Description: Top layer rolled sheet roof (1956 loc-2

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-03P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:55	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	86.5	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	112	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Caulk at Brick (1956 (Circle))

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-04P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:34	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	111		30-150				1/13/12 17:34		
Decachlorobiphenyl [2]	93.4		30-150				1/13/12 17:34		
Tetrachloro-m-xylene [1]	94.4		30-150				1/13/12 17:34		
Tetrachloro-m-xylene [2]	99.4		30-150				1/13/12 17:34		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Pitch box flashing (1956 loc.16)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-05P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1221 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1232 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1242 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1248 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1254 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1260 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1262 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Aroclor-1268 [1]	ND	0.33	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 20:50	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	125		30-150				1/13/12 20:50		
Decachlorobiphenyl [2]	100		30-150				1/13/12 20:50		
Tetrachloro-m-xylene [1]	123		30-150				1/13/12 20:50		
Tetrachloro-m-xylene [2]	122		30-150				1/13/12 20:50		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Roof drain flashing (1956 loc.20)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-06P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-06

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1254 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:08	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		107	30-150					1/13/12 22:08	
Decachlorobiphenyl [2]		86.6	30-150					1/13/12 22:08	
Tetrachloro-m-xylene [1]		120	30-150					1/13/12 22:08	
Tetrachloro-m-xylene [2]		123	30-150					1/13/12 22:08	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Bottom layer roof (1968-loc.30)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-07P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1221 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1232 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1242 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1248 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1254 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1260 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1262 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Aroclor-1268 [1]	ND	0.40	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:21	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	82.9	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	109	30-150							

Project Location: Platt High School, Meridan, CT

Sample Description: Top layer roof (1968-loc.30)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-08P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 22:34	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	89.1	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	111	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Bottom layer roof (1956-loc.20)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-09P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1221 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1232 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1242 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1248 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1254 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1260 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1262 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Aroclor-1268 [1]	ND	0.67	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 22:47	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	109		30-150				1/13/12 22:47		
Decachlorobiphenyl [2]	85.4		30-150				1/13/12 22:47		
Tetrachloro-m-xylene [1]	121		30-150				1/13/12 22:47		
Tetrachloro-m-xylene [2]	122		30-150				1/13/12 22:47		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Top layer roof (1956-loc.20)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-10P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:00	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	111		30-150				1/13/12 23:00		
Decachlorobiphenyl [2]	90.2		30-150				1/13/12 23:00		
Tetrachloro-m-xylene [1]	112		30-150				1/13/12 23:00		
Tetrachloro-m-xylene [2]	117		30-150				1/13/12 23:00		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Caulk at exhaust vent (1968-loc.4(Tan

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-11P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1254 [2]	1.4	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 17:47	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.1	30-150							
Decachlorobiphenyl [2]	80.1	30-150							
Tetrachloro-m-xylene [1]	78.6	30-150							
Tetrachloro-m-xylene [2]	82.2	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Caulk at parapet Vent (1956-loc.10(bl

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-12P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1254 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:00	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	110		30-150				1/13/12 18:00		
Decachlorobiphenyl [2]	90.3		30-150				1/13/12 18:00		
Tetrachloro-m-xylene [1]	96.3		30-150				1/13/12 18:00		
Tetrachloro-m-xylene [2]	87.9		30-150				1/13/12 18:00		

Project Location: Platt High School, Meridan, CT

Sample Description: Caulk & exhaust vent (1956-loc.16(WI

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-13P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	123	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	95.3	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

Project Location: Platt High School, Meridan, CT

Sample Description: Vent flashing (1968-loc.30)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-14P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-14

Sample Matrix: Product/Solid

Sample Flags: DL-02

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1221 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1232 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1242 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1248 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1254 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1260 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1262 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Aroclor-1268 [1]	ND	1.3	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	83.9	30-150							
Tetrachloro-m-xylene [1]	116	30-150							
Tetrachloro-m-xylene [2]	117	30-150							

Project Location: Platt High School, Meridan, CT

Sample Description: Vent flashing (1956-loc.26)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-15P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-15

Sample Matrix: Product/Solid

Sample Flags: DL-02

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1221 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1232 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1242 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1248 [1]	ND	1.5	mg/Kg	1	P-04	SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1254 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1260 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1262 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Aroclor-1268 [1]	ND	1.5	mg/Kg	1		SW-846 8082A	1/10/12	1/13/12 23:26	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		104	30-150					1/13/12 23:26	
Decachlorobiphenyl [2]		88.2	30-150					1/13/12 23:26	
Tetrachloro-m-xylene [1]		113	30-150					1/13/12 23:26	
Tetrachloro-m-xylene [2]		108	30-150					1/13/12 23:26	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Top layer-Rolled Sheet Flash. (1956-lc

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-16P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:39	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	113		30-150				1/13/12 23:39		
Decachlorobiphenyl [2]	91.0		30-150				1/13/12 23:39		
Tetrachloro-m-xylene [1]	118		30-150				1/13/12 23:39		
Tetrachloro-m-xylene [2]	123		30-150				1/13/12 23:39		

Project Location: Platt High School, Meridan, CT

Sample Description: Top layer-Rolled Sheet Flash. (1968-lc

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-17P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 23:52	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	82.3	30-150							
Tetrachloro-m-xylene [1]	110	30-150							
Tetrachloro-m-xylene [2]	116	30-150							

Project Location: Platt High School, Meridan, CT

Sample Description: Flashing Paropet (Under Metal) (1968-

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-18P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1221 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1232 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1242 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1248 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1254 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1260 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1262 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Aroclor-1268 [1]	ND	0.71	mg/Kg	5		SW-846 8082A	1/10/12	1/14/12 0:05	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	106		30-150				1/14/12 0:05		
Decachlorobiphenyl [2]	84.3		30-150				1/14/12 0:05		
Tetrachloro-m-xylene [1]	111		30-150				1/14/12 0:05		
Tetrachloro-m-xylene [2]	117		30-150				1/14/12 0:05		

Project Location: Platt High School, Meridan, CT

Sample Description: Flashing Paropet Under Metal (1956-lc)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-19P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-19

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1221 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1232 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1242 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1248 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1254 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1260 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1262 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Aroclor-1268 [1]	ND	18	mg/Kg	100		SW-846 8082A	1/10/12	1/14/12 17:24	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			1/14/12 17:24	
Decachlorobiphenyl [2]	*	30-150			S-01			1/14/12 17:24	
Tetrachloro-m-xylene [1]	*	30-150			S-01			1/14/12 17:24	
Tetrachloro-m-xylene [2]	*	30-150			S-01			1/14/12 17:24	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Caulk @ Paropet (1956-loc.20)

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-20P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-20

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1248 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1254 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/11/12	1/13/12 18:26	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	88.1		30-150				1/13/12 18:26		
Decachlorobiphenyl [2]	73.6		30-150				1/13/12 18:26		
Tetrachloro-m-xylene [1]	82.1		30-150				1/13/12 18:26		
Tetrachloro-m-xylene [2]	87.3		30-150				1/13/12 18:26		

Project Location: Platt High School, Meridan, CT

Sample Description: Perimeter Flashing (Under Metal) (19

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-21P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1248 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1254 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	1/10/12	1/13/12 21:03	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	120	30-150							
Decachlorobiphenyl [2]	97.4	30-150							
Tetrachloro-m-xylene [1]	120	30-150							
Tetrachloro-m-xylene [2]	125	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meridan, CT

Sample Description: Perimeter Flashing (Under Metal) (19:

Work Order: 12A0201

Date Received: 1/9/2012

Field Sample #: 0106EMM-22P

Sampled: 1/6/2012 00:00

Sample ID: 12A0201-22

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1221 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1232 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1242 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1248 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1254 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1260 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1262 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Aroclor-1268 [1]	ND	0.25	mg/Kg	1		SW-846 8082A	1/10/12	1/14/12 17:37	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	129	30-150							
Decachlorobiphenyl [2]	98.7	30-150							
Tetrachloro-m-xylene [1]	123	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12A0201-01 [0106EMM-01P]	B044218	0.250	10.0	01/11/12
12A0201-04 [0106EMM-04P]	B044218	0.506	10.0	01/11/12
12A0201-11 [0106EMM-11P]	B044218	0.501	10.0	01/11/12
12A0201-12 [0106EMM-12P]	B044218	0.515	10.0	01/11/12
12A0201-13 [0106EMM-13P]	B044218	0.503	10.0	01/11/12
12A0201-20 [0106EMM-20P]	B044218	0.548	10.0	01/11/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12A0201-02 [0106EMM-02P]	B044154	1.50	10.0	01/10/12
12A0201-03 [0106EMM-03P]	B044154	2.20	10.0	01/10/12
12A0201-05 [0106EMM-05P]	B044154	0.600	10.0	01/10/12
12A0201-06 [0106EMM-06P]	B044154	1.00	10.0	01/10/12
12A0201-07 [0106EMM-07P]	B044154	0.500	10.0	01/10/12
12A0201-08 [0106EMM-08P]	B044154	2.00	10.0	01/10/12
12A0201-09 [0106EMM-09P]	B044154	0.300	10.0	01/10/12
12A0201-10 [0106EMM-10P]	B044154	2.00	10.0	01/10/12
12A0201-14 [0106EMM-14P]	B044154	0.150	10.0	01/10/12
12A0201-15 [0106EMM-15P]	B044154	0.130	10.0	01/10/12
12A0201-16 [0106EMM-16P]	B044154	2.10	10.0	01/10/12
12A0201-17 [0106EMM-17P]	B044154	2.00	10.0	01/10/12
12A0201-18 [0106EMM-18P]	B044154	1.40	10.0	01/10/12
12A0201-19 [0106EMM-19P]	B044154	1.10	10.0	01/10/12
12A0201-21 [0106EMM-21P]	B044154	1.10	10.0	01/10/12
12A0201-22 [0106EMM-22P]	B044154	0.800	10.0	01/10/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B044154 - SW-846 3540C
Blank (B044154-BLK1)

Prepared: 01/10/12 Analyzed: 01/13/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.875		mg/Kg	1.00		87.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.715		mg/Kg	1.00		71.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.23		mg/Kg	1.00		123	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.23		mg/Kg	1.00		123	30-150			

LCS (B044154-BS1)

Prepared: 01/10/12 Analyzed: 01/13/12

Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			V-06
Aroclor-1260	0.21	0.10	mg/Kg	0.250		82.2	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		85.6	40-140			V-06
Surrogate: Decachlorobiphenyl	0.895		mg/Kg	1.00		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.734		mg/Kg	1.00		73.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.20		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.21		mg/Kg	1.00		121	30-150			

LCS Dup (B044154-BSD1)

Prepared: 01/10/12 Analyzed: 01/13/12

Aroclor-1016	0.30	0.10	mg/Kg	0.250		118	40-140	8.55	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		117	40-140	3.51	30	V-06
Aroclor-1260	0.23	0.10	mg/Kg	0.250		92.4	40-140	11.6	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		102	40-140	17.7	30	V-06
Surrogate: Decachlorobiphenyl	0.969		mg/Kg	1.00		96.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.788		mg/Kg	1.00		78.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.22		mg/Kg	1.00		122	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.23		mg/Kg	1.00		123	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B044218 - SW-846 3540C
Blank (B044218-BLK1)

Prepared: 01/11/12 Analyzed: 01/13/12

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.45		mg/Kg	4.00		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.88		mg/Kg	4.00		72.0	30-150			
Surrogate: Tetrachloro-m-xylene	4.61		mg/Kg	4.00		115	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.55		mg/Kg	4.00		114	30-150			

LCS (B044218-BS1)

Prepared: 01/11/12 Analyzed: 01/13/12

Aroclor-1016	4.4	0.20	mg/Kg	4.00		109	40-140			
Aroclor-1016 [2C]	4.1	0.20	mg/Kg	4.00		102	40-140			
Aroclor-1260	4.2	0.20	mg/Kg	4.00		105	40-140			
Aroclor-1260 [2C]	4.1	0.20	mg/Kg	4.00		102	40-140			
Surrogate: Decachlorobiphenyl	4.15		mg/Kg	4.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.42		mg/Kg	4.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	4.63		mg/Kg	4.00		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.59		mg/Kg	4.00		115	30-150			

LCS Dup (B044218-BSD1)

Prepared: 01/11/12 Analyzed: 01/13/12

Aroclor-1016	4.2	0.20	mg/Kg	4.00		104	40-140	4.81	30	
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		95.0	40-140	6.88	30	
Aroclor-1260	3.2	0.20	mg/Kg	4.00		78.8	40-140	28.2	30	
Aroclor-1260 [2C]	3.1	0.20	mg/Kg	4.00		78.7	40-140	25.5	30	
Surrogate: Decachlorobiphenyl	2.64		mg/Kg	4.00		66.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.79		mg/Kg	4.00		69.8	30-150			
Surrogate: Tetrachloro-m-xylene	4.38		mg/Kg	4.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.32		mg/Kg	4.00		108	30-150			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
DL-02	Elevated method reporting limit due to insufficient sample volume
DL-03	Elevated reporting limit due to matrix.
P-04	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

12A0201

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0176

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

REPORT TO:

Plant High School Mendon, CT

2011/12/7, A/E

Can-Test

INVOICE TO:

Analysis Request

P.O. No.:

Sampler's Signature:

Date: 1-6-12

Source Codes:

MW=Monitoring Well
SW=Surface Water
X=Other

PW=Potable Water
T=Treatment Facility

S=Soil
B=Sediment

W=Waste
A=Air

Bulk

PCBs, Sequester, Para

Turnaround

- ☐ 1 Day* ☐ 2 Days* ☒ 5 days* ☐ Other _____ (days)
Standard (5 days) *Surcharge Applies

Containers

- Soil VOA Vial, [] methanol [] Na₂(SO₄)₂
Soil VOA Vial, [] water []
Glass Soil Container () oz
Glass Soil Container () oz
Other: _____
Water VOA Vial, [] As is [] HCl
Glass Amber () ml, [] As is [] H₂SO₄
Plastic - As is, [] 250 ml [] 500 ml [] 1000 ml
Plastic - H₂SO₄, [] 250 ml [] 500 ml
Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered
Plastic - NaOH, 250 ml

Comments

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
01		01062101	Bulk	1-6-12	9:11 AM
02		01P - skidjet glaze curd. Bulk			
03		02P - top of rolled sheet roof			
04		03P - top layer rolled sheet roof			
05		04P - cork @ brick			
06		05P - pitch box flashing			
07		06P - roof drain flashing			
08		07P - btm. layer roof			
09		08P - top layer roof			
10		09P - btm. layer roof			
		10P - top layer roof			

1956	10c. 23
1956	10c. 23
1956	10c. 16
1956	10c. 22
1956	10c. 30
1956	10c. 30

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	Paul Kacant	Paul Kacant	1/6/12	1300	
2	Paul Kacant	Paul Kacant	1/6/12	1430	
3					
4					

Additional Comments:

Page 1 of 3

(866) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201

- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lymndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203

☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
☐ Other _____

CHAIN-OF-CUSTODY RECORD

18748

☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard 5 (days) *Surcharge Applies

Turnaround

Page 33 of 35

PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY	
Plant High School		Mendenot		20111128, ATE		Con-Test	
REPORT TO: Karen Adkield							
INVOICE TO:							
P.O. NO.:							
Sampler's Signature: <i>[Signature]</i>		Date: 1-6-12					
Source Codes:		PW=Potable Water SW=Surface Water T=Treatment Facility B=Sediment A=Air					
MW=Monitoring Well							
X=Other		bulk					
Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Containers	
11		11P - canlk & exhaust vent	bulk	1-6-12	am.	1968 - 10c. 4 (fmg)	
12		12P - canlk & purport vent				1956 - 10c. 10 (bk)	
13		13P - canlk & exhaust vent				1956 - 10c. 16 (bk)	
14		14P - vent flashing				1968 - 10c. 30	
15		15P - vent flashing				1956 - 10c. 26	
16		16P - top layer - milled sheet flash.				1956 - 10c. 5	
17		17P - vent flashing				1968 - 10c. 21	
18		18P - flashing - purport (under mtl)				1968 - 10c. 2	
19		19P - vent flashing				1956 - 10c. 11	
20		20P - canlk & purport				1956 - 10c. 20	
Reporting and Detection Limit Requirements:						Additional Comments:	
Relinquished By: <i>[Signature]</i>						Accepted By: <i>[Signature]</i>	
Date: 1/9/12						Time: 1300	
Date: 1/9/12						Time: 1400	
Page 2 of 3							



FUSS & O'NEILL

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

✓ 146 Hartford Road, Manchester, CT 06040
□ 56 Quarry Road, Trumbull, CT 06611
□ 1419 Richland Street, Columbia, SC 29201

□ 78 Interstate Drive, West Springfield, MA 01089
□ 610 Lyndale Court, Suite E, Greenville, NC 27858
□ 24 Madison Avenue Extension, Albany, NY 12203

□ 275 Promenade Street, Suite 350, Providence, RI 02908
□ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
□ Other _____

CHAIN-OF-CUSTODY RECORD

18749

12A0201

Turnaround

□ 1 Day* □ 3 Days* □ Other _____ (days)
□ 2 Days* Standard (5 days) *Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Platt High School

Menden, CT

20111127, A1E

Con-Test

REPORT TO:

INVOICE TO:

P.O. NO.:

Sampler's Signature:

Date: 1-6-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Portable Water
T=Treatment Facility

S=Soil
B=Sediment

W=Waste
A=Air

X=Other

Bulk

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
21		01062111		1-6-12	a.m.
22		218 perimeter flaking metal Bulk			

Analysis Request

PCB Soil not tested

Soil VOA Vial, [] methanol [] Na₂SO₄

Glass Soil Vial, [] water [] Na₂SO₄

Glass Soil Container () oz

Other: Water VOA Vial, [] As is [] HCl

Glass Amber () ml, [] As is [] H₂SO₄

Plastic - As is, [] 250 ml [] 500 [] 1000 ml

Plastic - H₂SO₄, [] 250 ml [] 500 ml

Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered

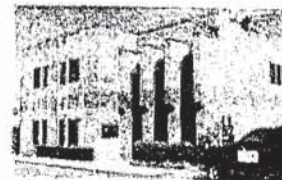
Plastic - NaOH, 250 ml

Comments

1968-100.5
1956-100.21

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	Paul Ruvet	Paul Ruvet	1/9/12	1300	Additional Comments: Page 3 of 3
2					
3					
4					

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fuss And O'Neill RECEIVED BY: MLX DATE: 1/9/12

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No No CoC Included

2) Does the chain agree with the samples? ☒ Yes ☐ No
If not, explain:

3) Are all the samples in good condition? ☒ Yes ☐ No
If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? ☒ Yes ☐ No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.30C

5) Are there Dissolved samples for the lab to filter? Yes ☐ No ☒
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes ☐ No ☒
Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

log-in

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>22</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

Doc# 277

Page 35 of 35

Rev. 1 May 2011

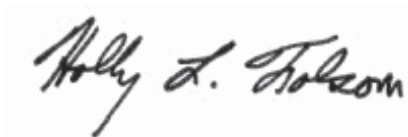
February 2, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Meriden, CT
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12A0820

Enclosed are results of analyses for samples received by the laboratory on January 26, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Holly L. Folsom". The signature is written in a cursive, flowing style.

Holly L. Folsom
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 2/2/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12A0820

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Meriden, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0123EMM-01P	12A0820-01	Caulk	EXT. Wondow Caulk 1956 Wing	SW-846 8082A	
0123EMM-02P	12A0820-02	Caulk	EXT. W. Caulk @ Sash 1956	SW-846 8082A	
0123EMM-03P	12A0820-03	Caulk	EXT. W. Glaze 1956	SW-846 8082A	
0123EMM-04P	12A0820-04	Caulk	EXT. W. Caulk 1968-rear	SW-846 8082A	
0123EMM-05P	12A0820-05	Caulk	EXT. W. Glaze 1968-rear	SW-846 8082A	
0123EMM-06P	12A0820-06	Caulk	EXT. Door Caulk 1968-rear	SW-846 8082A	
0123EMM-07P	12A0820-07	Caulk	EXT. expansion joint caulk 1956/1968	SW-846 8082A	
0123EMM-08P	12A0820-08	Caulk	EXT. Door Caulk 1968-Garages	SW-846 8082A	
0123EMM-09P	12A0820-09	Caulk	EXT. Door Caulk 1956	SW-846 8082A	
0123EMM-10P	12A0820-10	Caulk	Int. Slate Sill Caulk Cafeteria	SW-846 8082A	
0123EMM-11P	12A0820-11	Caulk	Ext. Window Caulk Cafeteria	SW-846 8082A	
0123EMM-12P	12A0820-12	Caulk	Ext. Window Glaze Cafeteria	SW-846 8082A	
0123EMM-13P	12A0820-13	Caulk	Int. W. Caulk Rm 83	SW-846 8082A	
0123EMM-14P	12A0820-14	Caulk	Int. W. Caulk Rm 63	SW-846 8082A	
0123EMM-15P	12A0820-15	Caulk	Int. Slate Shill Caulk Rm 87	SW-846 8082A	
0123EMM-16P	12A0820-16	Caulk	Sink Basin Caulk Rm 19	SW-846 8082A	
0123EMM-17P	12A0820-17	Caulk	Sink Basin Caulk Rm 87	SW-846 8082A	
0123EMM-18P	12A0820-18	Caulk	Blind Flashing 1968-rear	SW-846 8082A	
0123EMM-19P	12A0820-19	Caulk	Blind Flashing Adj. custodial entrance	SW-846 8082A	
0123EMM-20P	12A0820-20	Caulk	Blind Flashing 1956 Class Wing	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A**Qualifications:**

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1254 [2C]**12A0820-08[0123EMM-08P]

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:**Aroclor-1242**12A0820-18[0123EMM-18P]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]**12A0820-01[0123EMM-01P]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Meriden, CT

Sample Description: EXT. Wondow Caulk 1956 Wing

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-01P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1221 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1232 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1242 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1248 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1254 [1]	270	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1260 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1262 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Aroclor-1268 [1]	ND	19	mg/Kg	100		SW-846 8082A	1/28/12	1/31/12 10:00	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			1/31/12 10:00	
Decachlorobiphenyl [2]	*	30-150			S-01			1/31/12 10:00	
Tetrachloro-m-xylene [1]	*	30-150			S-01			1/31/12 10:00	
Tetrachloro-m-xylene [2]	*	30-150			S-01			1/31/12 10:00	

Project Location: Meriden, CT

Sample Description: EXT. W. Caulk @ Sash 1956

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-02P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1221 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1232 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1242 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1248 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1254 [1]	4.2	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1260 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1262 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Aroclor-1268 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:13	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	104	30-150							

Project Location: Meriden, CT

Sample Description: EXT. W. Glaze 1956

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-03P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1254 [1]	4.7	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:26	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	108	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	106	30-150							

Project Location: Meriden, CT

Sample Description: EXT. W. Caulk 1968-rear

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-04P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1221 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1232 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1242 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1248 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1254 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1260 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1262 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Aroclor-1268 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:39	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	100		30-150				1/31/12 10:39		
Decachlorobiphenyl [2]	99.6		30-150				1/31/12 10:39		
Tetrachloro-m-xylene [1]	99.4		30-150				1/31/12 10:39		
Tetrachloro-m-xylene [2]	98.9		30-150				1/31/12 10:39		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Meriden, CT

Sample Description: EXT. W. Glaze 1968-rear

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-05P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1254 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:51	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	60.3		30-150				1/31/12 14:51		
Decachlorobiphenyl [2]	61.6		30-150				1/31/12 14:51		
Tetrachloro-m-xylene [1]	115		30-150				1/31/12 14:51		
Tetrachloro-m-xylene [2]	109		30-150				1/31/12 14:51		

Project Location: Meriden, CT

Sample Description: EXT. Door Caulk 1968-rear

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-06P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1248 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1254 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 10:52	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	108	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	106	30-150							

Project Location: Meriden, CT

Sample Description: EXT. expansion joint caulk 1956/1968

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-07P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1254 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:05	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	112	30-150							
Decachlorobiphenyl [2]	115	30-150							
Tetrachloro-m-xylene [1]	113	30-150							
Tetrachloro-m-xylene [2]	114	30-150							

Project Location: Meriden, CT

Sample Description: EXT. Door Caulk 1968-Garages

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-08P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1221 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1232 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1242 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1248 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1254 [2]	1.4	0.94	mg/Kg	5	P-01	SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1260 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1262 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Aroclor-1268 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:18	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	101		30-150				1/31/12 11:18		
Decachlorobiphenyl [2]	102		30-150				1/31/12 11:18		
Tetrachloro-m-xylene [1]	100		30-150				1/31/12 11:18		
Tetrachloro-m-xylene [2]	102		30-150				1/31/12 11:18		

Project Location: Meriden, CT

Sample Description: EXT. Door Caulk 1956

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-09P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1254 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:31	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	65.2	30-150							
Decachlorobiphenyl [2]	67.4	30-150							
Tetrachloro-m-xylene [1]	111	30-150							
Tetrachloro-m-xylene [2]	114	30-150							

Project Location: Meriden, CT

Sample Description: Int. Slate Sill Caulk Cafeteria

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-10P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1254 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:44	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	76.3	30-150							
Decachlorobiphenyl [2]	79.7	30-150							
Tetrachloro-m-xylene [1]	117	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Meriden, CT

Sample Description: Ext. Window Caulk Cafeteria

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-11P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1221 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1232 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1242 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1248 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1254 [1]	4.2	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1260 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1262 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Aroclor-1268 [1]	ND	0.88	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 11:58	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	82.1	30-150							
Decachlorobiphenyl [2]	75.6	30-150							
Tetrachloro-m-xylene [1]	118	30-150							
Tetrachloro-m-xylene [2]	121	30-150							

Project Location: Meriden, CT

Sample Description: Ext. Window Glaze Cafeteria

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-12P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1254 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:18	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	119		30-150				1/31/12 15:18		
Decachlorobiphenyl [2]	118		30-150				1/31/12 15:18		
Tetrachloro-m-xylene [1]	105		30-150				1/31/12 15:18		
Tetrachloro-m-xylene [2]	121		30-150				1/31/12 15:18		

Project Location: Meriden, CT

Sample Description: Int. W. Caulk Rm 83

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-13P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-13

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1221 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1232 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1242 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1248 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1254 [2]	31	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1260 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1262 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Aroclor-1268 [1]	ND	3.9	mg/Kg	20		SW-846 8082A	1/28/12	1/31/12 12:11	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	114		30-150				1/31/12 12:11		
Decachlorobiphenyl [2]	119		30-150				1/31/12 12:11		
Tetrachloro-m-xylene [1]	104		30-150				1/31/12 12:11		
Tetrachloro-m-xylene [2]	108		30-150				1/31/12 12:11		

Project Location: Meriden, CT

Sample Description: Int. W. Caulk Rm 63

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-14P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-14

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1248 [2]	5.5	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1254 [2]	3.7	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 14:38	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	74.8	30-150							
Decachlorobiphenyl [2]	75.6	30-150							
Tetrachloro-m-xylene [1]	112	30-150							
Tetrachloro-m-xylene [2]	115	30-150							

Project Location: Meriden, CT

Sample Description: Int. Slate Shill Caulk Rm 87

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-15P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-15

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1254 [1]	5.5	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:24	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	111	30-150							
Decachlorobiphenyl [2]	112	30-150							
Tetrachloro-m-xylene [1]	105	30-150							
Tetrachloro-m-xylene [2]	109	30-150							

Project Location: Meriden, CT

Sample Description: Sink Basin Caulk Rm 19

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-16P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-16

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1221 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1232 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1242 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1248 [2]	4.1	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1254 [2]	1.7	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1260 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1262 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Aroclor-1268 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 12:37	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	51.3	30-150							
Decachlorobiphenyl [2]	50.9	30-150							
Tetrachloro-m-xylene [1]	112	30-150							
Tetrachloro-m-xylene [2]	111	30-150							

Project Location: Meriden, CT

Sample Description: Sink Basin Caulk Rm 87

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-17P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-17

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1221 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1232 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1242 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1248 [2]	2.7	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1254 [2]	2.0	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1260 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1262 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Aroclor-1268 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	1/28/12	1/31/12 15:05	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	63.0	30-150							
Decachlorobiphenyl [2]	70.3	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

Project Location: Meriden, CT

Sample Description: Blind Flashing 1968-rear

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-18P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-18

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1221 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1232 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1242 [1]	1.7	0.17	mg/Kg	1	P-04	SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1248 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1254 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1260 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1262 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Aroclor-1268 [1]	ND	0.17	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 16:05	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	70.8		30-150				1/31/12 16:05		
Decachlorobiphenyl [2]	88.9		30-150				1/31/12 16:05		
Tetrachloro-m-xylene [1]	75.9		30-150				1/31/12 16:05		
Tetrachloro-m-xylene [2]	86.6		30-150				1/31/12 16:05		

Project Location: Meriden, CT

Sample Description: Blind Flashing Adj. custodial entrance

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-19P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-19

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1221 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1232 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1242 [2]	18	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1248 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1254 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1260 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1262 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Aroclor-1268 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	1/28/12	1/31/12 15:01	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.3	30-150							
Decachlorobiphenyl [2]	93.7	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	96.5	30-150							

Project Location: Meriden, CT

Sample Description: Blind Flashing 1956 Class Wing

Work Order: 12A0820

Date Received: 1/26/2012

Field Sample #: 0123EMM-20P

Sampled: 1/23/2012 00:00

Sample ID: 12A0820-20

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/28/12	1/31/12 15:14	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	80.9	30-150							
Decachlorobiphenyl [2]	95.7	30-150							
Tetrachloro-m-xylene [1]	75.4	30-150							
Tetrachloro-m-xylene [2]	88.3	30-150							

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12A0820-01 [0123EMM-01P]	B045170	0.534	10.0	01/28/12
12A0820-02 [0123EMM-02P]	B045170	0.596	10.0	01/28/12
12A0820-03 [0123EMM-03P]	B045170	0.575	10.0	01/28/12
12A0820-04 [0123EMM-04P]	B045170	0.596	10.0	01/28/12
12A0820-05 [0123EMM-05P]	B045170	0.573	10.0	01/28/12
12A0820-06 [0123EMM-06P]	B045170	0.563	10.0	01/28/12
12A0820-07 [0123EMM-07P]	B045170	0.504	10.0	01/28/12
12A0820-08 [0123EMM-08P]	B045170	0.533	10.0	01/28/12
12A0820-09 [0123EMM-09P]	B045170	0.508	10.0	01/28/12
12A0820-10 [0123EMM-10P]	B045170	0.513	10.0	01/28/12
12A0820-11 [0123EMM-11P]	B045170	0.567	10.0	01/28/12
12A0820-12 [0123EMM-12P]	B045170	0.524	10.0	01/28/12
12A0820-13 [0123EMM-13P]	B045170	0.509	10.0	01/28/12
12A0820-14 [0123EMM-14P]	B045170	0.508	10.0	01/28/12
12A0820-15 [0123EMM-15P]	B045170	0.524	10.0	01/28/12
12A0820-16 [0123EMM-16P]	B045170	0.521	10.0	01/28/12
12A0820-17 [0123EMM-17P]	B045170	0.536	10.0	01/28/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12A0820-18 [0123EMM-18P]	B045172	1.20	10.0	01/28/12
12A0820-19 [0123EMM-19P]	B045172	1.10	10.0	01/28/12
12A0820-20 [0123EMM-20P]	B045172	2.00	10.0	01/28/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B045170 - SW-846 3540C
Blank (B045170-BLK1)

Prepared: 01/28/12 Analyzed: 01/30/12

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.22		mg/Kg	4.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.20		mg/Kg	4.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	4.08		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.05		mg/Kg	4.00		101	30-150			

LCS (B045170-BS1)

Prepared: 01/28/12 Analyzed: 01/30/12

Aroclor-1016	3.6	0.20	mg/Kg	4.00		91.1	40-140			
Aroclor-1016 [2C]	3.6	0.20	mg/Kg	4.00		89.1	40-140			
Aroclor-1260	3.7	0.20	mg/Kg	4.00		92.1	40-140			
Aroclor-1260 [2C]	3.6	0.20	mg/Kg	4.00		90.9	40-140			
Surrogate: Decachlorobiphenyl	4.33		mg/Kg	4.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.31		mg/Kg	4.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	3.96		mg/Kg	4.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.95		mg/Kg	4.00		98.7	30-150			

LCS Dup (B045170-BSD1)

Prepared: 01/28/12 Analyzed: 01/30/12

Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.8	40-140	7.00	30	
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		95.4	40-140	6.78	30	
Aroclor-1260	3.9	0.20	mg/Kg	4.00		98.6	40-140	6.92	30	
Aroclor-1260 [2C]	3.9	0.20	mg/Kg	4.00		97.4	40-140	6.84	30	
Surrogate: Decachlorobiphenyl	4.59		mg/Kg	4.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	4.58		mg/Kg	4.00		115	30-150			
Surrogate: Tetrachloro-m-xylene	4.25		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	4.24		mg/Kg	4.00		106	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B045172 - SW-846 3540C
Blank (B045172-BLK1)

Prepared: 01/28/12 Analyzed: 01/31/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.949		mg/Kg	1.00		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.839		mg/Kg	1.00		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.955		mg/Kg	1.00		95.5	30-150			

LCS (B045172-BS1)

Prepared: 01/28/12 Analyzed: 01/31/12

Aroclor-1016	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140			
Surrogate: Decachlorobiphenyl	0.995		mg/Kg	1.00		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.09		mg/Kg	1.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.950		mg/Kg	1.00		95.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.08		mg/Kg	1.00		108	30-150			

LCS Dup (B045172-BSD1)

Prepared: 01/28/12 Analyzed: 01/31/12

Aroclor-1016	0.28	0.10	mg/Kg	0.250		111	40-140	3.91	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	3.54	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		112	40-140	3.62	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	3.75	30	
Surrogate: Decachlorobiphenyl	0.940		mg/Kg	1.00		94.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.947		mg/Kg	1.00		94.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.
P-04	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



FUSS & O'NEILL ENVIROSCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

1240820

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0308

Turnaround

- ☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME

Plant H.S.

PROJECT LOCATION

Mendon, CT

PROJECT NUMBER

201107, A1E

LABORATORY

Con-Test

REPORT TO:

Karen Redfield

Analysis Request

INVOICE TO:

P.O. No.:

Sampler's Signature:

Glenn M. M. M.

Date: 1-25-11

Source Codes:

MW=Monitoring Well PW=Portable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other

Bulk

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
1	✓	01336m-	Bulk	1-23-11	a.m.	✓	PCBS Sexlet / 1000	1956 w/ing
2	✓	01P Ext. window canlk				✓		1956
3	✓	02P Ext. w. canlk @ 505 m				✓		1956
4	✓	03P Ext. w. glass				✓		1956
5	✓	04P Ext. w. canlk				✓		1956
6	✓	05P Ext. w. glass				✓		1956
7	✓	06P Ext. door canlk				✓		1956
8	✓	07P Ext. ext. canlk				✓		1956
9	✓	08P Ext. door canlk				✓		1956
10	✓	09P Ext. door canlk				✓		1956
11	✓	10P Ext. slat soil canlk				✓		1956

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

1
2
3
4

Glenn M. M. M.
Mendon, CT
4.0°C



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver
(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richard Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0311

Turnaround

☐ 1 Day* ☐ 3 Days* ☐ Other (days)
☒ 2 Days* Standard (5 days) *Surcharge Applies

PROJECT NAME

Plant H-S, Mendon, CT

PROJECT NUMBER

2011127, ALE

LABORATORY

Gen-Test

REPORT TO:

Kenn Redfield

Analysis Request

Containers

INVOICE TO:

P.O. No.:

Sampler's Signature: *Chad M. M. M.*

Date: 1-25-12

Source Codes:

MW=Monitoring Well PW=Portable Water S=Soil
SW=Surface Water T=Treatment Facility B=Sediment W=Waste
A=Air

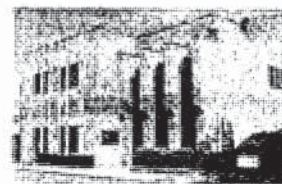
X=Other

Pvirk

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
1	✓	012333-001	Pvirk	1-23-12	am	✓	Soil VOA Vial, [] methanol [] water [] Na ₂ (SO ₄) ₂ Glass Soil Container () oz Glass Soil Container () oz Other: Water VOA Vial, [] As is [] HCl [] H ₂ SO ₄ Plastic - As is, [] 250 ml [] 500 [] 1000 ml Plastic - H ₂ SO ₄ , [] 250 ml [] 500 ml [] Filtered [] Unfiltered Plastic - HNO ₃ , 250 ml [] Plastic - NaOH, 250 ml []	Cafeteria Cafeteria Rm. 83 Rm. 103 Rm. 82 Rm. 19 Rm. 82 1908-rear Adj. central 1956-class wing
2	✓	11P - Ext. window canlk	Pvirk			✓		
3	✓	12P - Ext. window canlk				✓		
4	✓	13P - Int. w. canlk				✓		
5	✓	14P - Int. w. canlk				✓		
6	✓	15P - Int. side sh canlk				✓		
7	✓	16P - sink basin canlk				✓		
8	✓	17P -				✓		
9	✓	18P blind flaring				✓		
10	✓	19P				✓		
11	✓	20P				✓		

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>Chad M. M. M.</i>	<i>Chad M. M. M.</i>	1/26/12	10:35	
2	<i>Chad M. M. M.</i>	<i>Chad M. M. M.</i>	1/26/12	10:35	
3	<i>Chad M. M. M.</i>	<i>Chad M. M. M.</i>	1/26/12	10:35	
4	<i>Chad M. M. M.</i>	<i>Chad M. M. M.</i>	1/26/12	10:35	

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: F+O CT RECEIVED BY: AP DATE: 1/26/12

1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples?

If not, explain:

3) Are all the samples in good condition?

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.0°C

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>20</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

Doc# 277

Rev. 1 May 2011

April 17, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Platt H.S
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12D0242

Enclosed are results of analyses for samples received by the laboratory on April 9, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 4/17/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0242

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt H.S

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0406EMM-01A (0-0.5in)	12D0242-01	Product/Solid	Ext. Brick 1956 Wing	SW-846 8082A	
0406EMM-01B (0.5-1.0in)	12D0242-02	Product/Solid	Ext. Brick 1956 Wing	SW-846 8082A	
0406EMM-02A (0-0.5in)	12D0242-03	Product/Solid	Ext. Brick 1958 Wing-Cafeteria	SW-846 8082A	
0406EMM-02B (0.5-1.0in)	12D0242-04	Product/Solid	Ext. Brick 1958 Wing-Cafeteria	SW-846 8082A	
0406EMM-03A (0-0.5in)	12D0242-05	Product/Solid	Ext. Brick 1958 Wing	SW-846 8082A	
0406EMM-03B (0.5-1.0in)	12D0242-06	Product/Solid	Ext. Brick 1958 Wing	SW-846 8082A	
0406EMM-04A (0-0.5in)	12D0242-07	Product/Solid	Int. Block (right) Corridor	SW-846 8082A	
0406EMM-04B (0-0.5in)	12D0242-08	Product/Solid	Int. Block (left) Corridor	SW-846 8082A	
0406EMM-05A (0-0.5in)	12D0242-09	Product/Solid	Int. Block Int.-RM. 83	SW-846 8082A	
0406EMM-05B (0.5-1.0in)	12D0242-10	Product/Solid	Int. Block Int.-RM. 83	SW-846 8082A	
0406EMM-06A (0-0.5in)	12D0242-11	Product/Solid	Int. Block Int.-RM. 63	SW-846 8082A	
0406EMM-06B (0.5-1.0in)	12D0242-12	Product/Solid	Int. Block Int.-RM. 63	SW-846 8082A	
0406EMM-07A	12D0242-13	Bulk	Wood Floor Shellac (Gym 1968)	SW-846 8082A	
0406EMM-07B	12D0242-14	Bulk	Wood Floor Shellac (Gym 1968)	SW-846 8082A	
0406EMM-07C	12D0242-15	Bulk	Wood Floor Shellac (Gym 1968)	SW-846 8082A	
0406EMM-08A	12D0242-16	Bulk	Mastic (Cork Under Wood Gym Floor) (Gym 1968)	SW-846 8082A	
0406EMM-08B	12D0242-17	Bulk	Mastic (Cork Under Wood Gym Floor) (Gym 1968)	SW-846 8082A	
0406EMM-08C	12D0242-18	Bulk	Mastic (Cork Under Wood Gym Floor) (Gym 1968)	SW-846 8082A	
0406EMM-09A	12D0242-19	Bulk	Blk Tor Upper Barrier (Under Cork Gym Floor)(1968)	SW-846 8082A	
0406EMM-09B	12D0242-20	Bulk	Blk Tor Upper Barrier (Under Cork Gym Floor)(1968)	SW-846 8082A	
0406EMM-09C	12D0242-21	Bulk	Blk For Upper Barrier (Under Cork Gym Floor)(1968)	SW-846 8082A	
0406EMM-10A	12D0242-22	Bulk	Wood Floor Shellac (Gym 1956)	SW-846 8082A	
0406EMM-10B	12D0242-23	Bulk	Wood Floor Shellac (Gym 1956)	SW-846 8082A	
0406EMM-10C	12D0242-24	Bulk	Wood Floor Shellac (Gym 1956)	SW-846 8082A	
0406EMM-11A	12D0242-25	Bulk	Vapor Barrier (Under Gym Wood Floor) (Gym 1956)	SW-846 8082A	
0406EMM-11B	12D0242-26	Bulk	Vapor Barrier (Under Gym Wood Floor) (Gym 1956)	SW-846 8082A	
0406EMM-11C	12D0242-27	Bulk	Vapor Barrier (Under Gym Wood Floor) (Gym 1956)	SW-846 8082A	
0406EMM-12	12D0242-28	Bulk	Int. Exp. Blacktor Behind Exp.	SW-846 8082A	
0406EMM-13	12D0242-29	Bulk	Flashing Parapet (Under Metal) (1956)	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.

Analyte & Samples(s) Qualified:

12D0242-21[0406EMM-09C], 12D0242-22[0406EMM-10A], 12D0242-23[0406EMM-10B], 12D0242-24[0406EMM-10C], 12D0242-25[0406EMM-11A], 12D0242-26[0406EMM-11B], 12D0242-27[0406EMM-11C], 12D0242-28[0406EMM-12], 12D0242-29[0406EMM-13]

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248 [2C]

12D0242-25[0406EMM-11A], 12D0242-26[0406EMM-11B], 12D0242-27[0406EMM-11C]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

12D0242-14[0406EMM-07B], 12D0242-28[0406EMM-12]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

Project Location: Platt H.S

Sample Description: Ext. Brick 1956 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-01A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.1	30-150							
Decachlorobiphenyl [2]	119	30-150							
Tetrachloro-m-xylene [1]	109	30-150							
Tetrachloro-m-xylene [2]	121	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1956 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-01B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.8	30-150						4/13/12 9:17	
Decachlorobiphenyl [2]	120	30-150						4/13/12 9:17	
Tetrachloro-m-xylene [1]	114	30-150						4/13/12 9:17	
Tetrachloro-m-xylene [2]	126	30-150						4/13/12 9:17	

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing-Cafeteria

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-02A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.7	30-150							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing-Cafeteria

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-02B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	88.9	30-150						4/13/12 9:45	
Decachlorobiphenyl [2]	107	30-150						4/13/12 9:45	
Tetrachloro-m-xylene [1]	113	30-150						4/13/12 9:45	
Tetrachloro-m-xylene [2]	126	30-150						4/13/12 9:45	

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-03A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.3	30-150							
Decachlorobiphenyl [2]	117	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-03B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.5	30-150							
Decachlorobiphenyl [2]	137	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Platt H.S

Sample Description: Int. Block (right) Corridor

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-04A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1248 [1]	3.7	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1254 [1]	0.89	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.7	30-150						4/13/12 10:27	
Decachlorobiphenyl [2]	135	30-150						4/13/12 10:27	
Tetrachloro-m-xylene [1]	113	30-150						4/13/12 10:27	
Tetrachloro-m-xylene [2]	124	30-150						4/13/12 10:27	

Project Location: Platt H.S

Sample Description: Int. Block (left) Corridor

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-04B (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1248 [1]	2.6	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1254 [1]	0.70	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.3	30-150							
Decachlorobiphenyl [2]	114	30-150							
Tetrachloro-m-xylene [1]	109	30-150							
Tetrachloro-m-xylene [2]	121	30-150							

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 83

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-05A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1248 [1]	0.21	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1254 [2]	0.15	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.7	30-150						4/13/12 11:23	
Decachlorobiphenyl [2]	130	30-150						4/13/12 11:23	
Tetrachloro-m-xylene [1]	105	30-150						4/13/12 11:23	
Tetrachloro-m-xylene [2]	117	30-150						4/13/12 11:23	

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 83

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-05B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1254 [2]	0.10	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.8	30-150							
Decachlorobiphenyl [2]	124	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	116	30-150							

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 63

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-06A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1248 [1]	0.67	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1254 [1]	0.14	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.9	30-150						4/13/12 11:51	
Decachlorobiphenyl [2]	129	30-150						4/13/12 11:51	
Tetrachloro-m-xylene [1]	107	30-150						4/13/12 11:51	
Tetrachloro-m-xylene [2]	120	30-150						4/13/12 11:51	

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 63

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-06B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.9	30-150							
Decachlorobiphenyl [2]	130	30-150							
Tetrachloro-m-xylene [1]	113	30-150							
Tetrachloro-m-xylene [2]	125	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1968)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-07A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-13

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1254 [2]	23	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	127	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	120	30-150							

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1968)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-07B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-14

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1221 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1232 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1242 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1248 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1254 [2]	67	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1260 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1262 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1268 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/17/12 1:36	
Decachlorobiphenyl [2]	*	30-150			S-01			4/17/12 1:36	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/17/12 1:36	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/17/12 1:36	

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1968)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-07C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-15

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1254 [2]	11	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.1	30-150						4/13/12 12:47	
Decachlorobiphenyl [2]	114	30-150						4/13/12 12:47	
Tetrachloro-m-xylene [1]	101	30-150						4/13/12 12:47	
Tetrachloro-m-xylene [2]	110	30-150						4/13/12 12:47	

Project Location: Platt H.S

Sample Description: Mastic (Cork Under Wood Gym Floor)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-08A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-16

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1248 [2]	2.6	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1254 [2]	3.1	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.5	30-150							
Decachlorobiphenyl [2]	95.6	30-150							
Tetrachloro-m-xylene [1]	112	30-150							
Tetrachloro-m-xylene [2]	109	30-150							

Project Location: Platt H.S

Sample Description: Mastic (Cork Under Wood Gym Floor)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-08B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-17

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1248 [2]	2.3	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1254 [1]	1.6	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.0	30-150							
Decachlorobiphenyl [2]	87.5	30-150							
Tetrachloro-m-xylene [1]	99.8	30-150							
Tetrachloro-m-xylene [2]	98.1	30-150							

Project Location: Platt H.S

Sample Description: Mastic (Cork Under Wood Gym Floor)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-08C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-18

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	76.2	30-150						4/13/12 23:08	
Decachlorobiphenyl [2]	74.9	30-150						4/13/12 23:08	
Tetrachloro-m-xylene [1]	96.2	30-150						4/13/12 23:08	
Tetrachloro-m-xylene [2]	95.4	30-150						4/13/12 23:08	

Project Location: Platt H.S

Sample Description: Blk Tor Upper Barrier (Under Cork Gy

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-09A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-19

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1248 [2]	7.4	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1254 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	102	30-150						4/17/12 1:49	
Decachlorobiphenyl [2]	118	30-150						4/17/12 1:49	
Tetrachloro-m-xylene [1]	108	30-150						4/17/12 1:49	
Tetrachloro-m-xylene [2]	118	30-150						4/17/12 1:49	

Project Location: Platt H.S

Sample Description: Blk Tor Upper Barrier (Under Cork Gy

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-09B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-20

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1248 [2]	2.3	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	74.6	30-150							
Decachlorobiphenyl [2]	74.1	30-150							
Tetrachloro-m-xylene [1]	84.6	30-150							
Tetrachloro-m-xylene [2]	82.4	30-150							

Project Location: Platt H.S

Sample Description: Blk For Upper Barrier (Under Cork Gy

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-09C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-21

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1248 [2]	2.4	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.9	30-150						4/13/12 5:52	
Decachlorobiphenyl [2]	99.0	30-150						4/13/12 5:52	
Tetrachloro-m-xylene [1]	102	30-150						4/13/12 5:52	
Tetrachloro-m-xylene [2]	97.6	30-150						4/13/12 5:52	

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-10A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-22

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1221 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1232 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1242 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1248 [2]	0.62	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1254 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1260 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1262 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1268 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.5	30-150						4/13/12 6:05	
Decachlorobiphenyl [2]	91.5	30-150						4/13/12 6:05	
Tetrachloro-m-xylene [1]	103	30-150						4/13/12 6:05	
Tetrachloro-m-xylene [2]	103	30-150						4/13/12 6:05	

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-10B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-23

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1248 [2]	0.36	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1254 [1]	0.55	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	50.7	30-150							
Decachlorobiphenyl [2]	50.6	30-150							
Tetrachloro-m-xylene [1]	112	30-150							
Tetrachloro-m-xylene [2]	108	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-10C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-24

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1248 [2]	0.39	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1254 [1]	0.48	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	53.9		30-150				4/13/12 6:31		
Decachlorobiphenyl [2]	54.1		30-150				4/13/12 6:31		
Tetrachloro-m-xylene [1]	120		30-150				4/13/12 6:31		
Tetrachloro-m-xylene [2]	113		30-150				4/13/12 6:31		

Project Location: Platt H.S

Sample Description: Vapor Barrier (Under Gym Wood Floo

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-11A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-25

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1248 [2]	3.1	0.45	mg/Kg	5	P-01	SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1254 [1]	2.7	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	107		30-150				4/13/12 6:44		
Decachlorobiphenyl [2]	94.8		30-150				4/13/12 6:44		
Tetrachloro-m-xylene [1]	98.3		30-150				4/13/12 6:44		
Tetrachloro-m-xylene [2]	96.2		30-150				4/13/12 6:44		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Vapor Barrier (Under Gym Wood Floo

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-11B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-26

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1248 [2]	1.5	0.50	mg/Kg	5	P-01	SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1254 [1]	1.4	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	89.9		30-150				4/13/12 6:57		
Decachlorobiphenyl [2]	75.3		30-150				4/13/12 6:57		
Tetrachloro-m-xylene [1]	74.6		30-150				4/13/12 6:57		
Tetrachloro-m-xylene [2]	75.9		30-150				4/13/12 6:57		

Project Location: Platt H.S

Sample Description: Vapor Barrier (Under Gym Wood Floo

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-11C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-27

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1221 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1232 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1242 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1248 [1]	2.3	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1254 [1]	3.0	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1260 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1262 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1268 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	102		30-150				4/13/12 7:10		
Decachlorobiphenyl [2]	85.0		30-150				4/13/12 7:10		
Tetrachloro-m-xylene [1]	82.2		30-150				4/13/12 7:10		
Tetrachloro-m-xylene [2]	84.1		30-150				4/13/12 7:10		

Project Location: Platt H.S

Sample Description: Int. Exp. Blacktor Behind Exp.

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-12

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-28

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1221 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1232 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1242 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1248 [2]	14	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1254 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1260 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1262 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1268 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/13/12 7:23	
Decachlorobiphenyl [2]	*	30-150			S-01			4/13/12 7:23	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/13/12 7:23	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/13/12 7:23	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Flashing Parapet (Under Metal) (1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-13

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-29

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	82.2		30-150				4/13/12 7:36		
Decachlorobiphenyl [2]	85.6		30-150				4/13/12 7:36		
Tetrachloro-m-xylene [1]	88.5		30-150				4/13/12 7:36		
Tetrachloro-m-xylene [2]	90.3		30-150				4/13/12 7:36		

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12D0242-01 [0406EMM-01A (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-02 [0406EMM-01B (0.5-1.0in)]	B049480	2.20	10.0	04/10/12
12D0242-03 [0406EMM-02A (0-0.5in)]	B049480	2.10	10.0	04/10/12
12D0242-04 [0406EMM-02B (0.5-1.0in)]	B049480	2.00	10.0	04/10/12
12D0242-05 [0406EMM-03A (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-06 [0406EMM-03B (0.5-1.0in)]	B049480	2.10	10.0	04/10/12
12D0242-07 [0406EMM-04A (0-0.5in)]	B049480	2.00	10.0	04/10/12
12D0242-08 [0406EMM-04B (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-09 [0406EMM-05A (0-0.5in)]	B049480	2.10	10.0	04/10/12
12D0242-10 [0406EMM-05B (0.5-1.0in)]	B049480	2.10	10.0	04/10/12
12D0242-11 [0406EMM-06A (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-12 [0406EMM-06B (0.5-1.0in)]	B049480	2.20	10.0	04/10/12
12D0242-13 [0406EMM-07A]	B049480	2.00	10.0	04/10/12
12D0242-14 [0406EMM-07B]	B049480	2.20	10.0	04/10/12
12D0242-15 [0406EMM-07C]	B049480	2.00	10.0	04/10/12
12D0242-16 [0406EMM-08A]	B049480	2.20	10.0	04/10/12
12D0242-17 [0406EMM-08B]	B049480	2.00	10.0	04/10/12
12D0242-18 [0406EMM-08C]	B049480	2.00	10.0	04/10/12
12D0242-19 [0406EMM-09A]	B049480	2.10	10.0	04/10/12
12D0242-20 [0406EMM-09B]	B049480	2.10	10.0	04/10/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12D0242-21 [0406EMM-09C]	B049481	2.00	10.0	04/10/12
12D0242-22 [0406EMM-10A]	B049481	2.30	10.0	04/10/12
12D0242-23 [0406EMM-10B]	B049481	2.00	10.0	04/10/12
12D0242-24 [0406EMM-10C]	B049481	2.10	10.0	04/10/12
12D0242-25 [0406EMM-11A]	B049481	2.20	10.0	04/10/12
12D0242-26 [0406EMM-11B]	B049481	2.00	10.0	04/10/12
12D0242-27 [0406EMM-11C]	B049481	1.70	10.0	04/10/12
12D0242-28 [0406EMM-12]	B049481	2.00	10.0	04/10/12
12D0242-29 [0406EMM-13]	B049481	2.10	10.0	04/10/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B049480 - SW-846 3540C
Blank (B049480-BLK1)

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.19		mg/Kg	1.00		119	30-150			
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.15		mg/Kg	1.00		115	30-150			

LCS (B049480-BS1)

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		114	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140			
Surrogate: Decachlorobiphenyl	0.949		mg/Kg	1.00		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.16		mg/Kg	1.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.22		mg/Kg	1.00		122	30-150			

LCS Dup (B049480-BSD1)

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.24	0.10	mg/Kg	0.250		97.6	40-140	10.5	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		122	40-140	7.04	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		115	40-140	1.51	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	10.2	30	
Surrogate: Decachlorobiphenyl	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.18		mg/Kg	1.00		118	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B049480 - SW-846 3540C
Matrix Spike (B049480-MS1)
Source: 12D0242-01

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.27	0.095	mg/Kg	0.238	0.0	112	40-140			
Aroclor-1016 [2C]	0.25	0.095	mg/Kg	0.238	0.0	105	40-140			
Aroclor-1260	0.27	0.095	mg/Kg	0.238	0.0	115	40-140			
Aroclor-1260 [2C]	0.28	0.095	mg/Kg	0.238	0.0	118	40-140			
Surrogate: Decachlorobiphenyl	0.845		mg/Kg	0.952		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.15		mg/Kg	0.952		121	30-150			
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	0.952		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.18		mg/Kg	0.952		124	30-150			

Matrix Spike Dup (B049480-MSD1)
Source: 12D0242-01

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.27	0.095	mg/Kg	0.238	0.0	114	40-140	1.31	50	
Aroclor-1016 [2C]	0.26	0.095	mg/Kg	0.238	0.0	108	40-140	2.98	50	
Aroclor-1260	0.26	0.095	mg/Kg	0.238	0.0	109	40-140	5.31	50	
Aroclor-1260 [2C]	0.28	0.095	mg/Kg	0.238	0.0	117	40-140	0.901	50	
Surrogate: Decachlorobiphenyl	0.857		mg/Kg	0.952		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.18		mg/Kg	0.952		124	30-150			
Surrogate: Tetrachloro-m-xylene	1.04		mg/Kg	0.952		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.17		mg/Kg	0.952		123	30-150			

Batch B049481 - SW-846 3540C
Blank (B049481-BLK1)

Prepared: 04/10/12 Analyzed: 04/11/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.970		mg/Kg	1.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B049481 - SW-846 3540C
LCS (B049481-BS1)

Prepared: 04/10/12 Analyzed: 04/11/12

Aroclor-1016	0.29	0.10	mg/Kg	0.250		117	40-140			
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		120	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		120	40-140			
Surrogate: Decachlorobiphenyl	1.31		mg/Kg	1.00		131	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.17		mg/Kg	1.00		117	30-150			
Surrogate: Tetrachloro-m-xylene	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.20		mg/Kg	1.00		120	30-150			

LCS Dup (B049481-BSD1)

Prepared: 04/10/12 Analyzed: 04/11/12

Aroclor-1016	0.27	0.10	mg/Kg	0.250		106	40-140	9.91	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		110	40-140	8.94	30	
Aroclor-1260	0.24	0.10	mg/Kg	0.250		96.8	40-140	12.3	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	11.2	30	
Surrogate: Decachlorobiphenyl	1.11		mg/Kg	1.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.974		mg/Kg	1.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
O-28	Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

12D0242

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 0342

PROJECT NAME

Plot #1-S

PROJECT LOCATION

Monday, CT

PROJECT NUMBER

2011122, AVE

LABORATORY

Can-Test

REPORT TO: Karen Redfield

INVOICE TO:

P.O. NO.:

Sampler's Signature:

[Signature]

Date: 3-6-12

Source Codes:

MW=Monitoring Well
SW=Surface Water
PW=Pore Water
T=Treatment Facility
S=Soil
B=Scum
W=Waste
A=Air

X=Other

Adv. Surface

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
01		01A Ext. back	0-0.5"	4-6-12	9:15	✓	Soil VOA Vial, [] methanol [] water [] Na ₂ SO ₄ [] oz [] oz	1956 wing
02		01B ↓	0-0.5"			✓	Glass Soil Container () oz	1956 wing - Cate
03		02A Ext. back	0-0.5"			✓	Water VOA Vial, [] As is [] HCl [] H ₂ SO ₄ [] 250 ml [] 500 ml [] 1000 ml	1956 wing - Cate
04		02B ↓	0-0.5"			✓	Plastic - As is, [] 250 ml [] 500 ml [] 1000 ml	1956 wing - Cate
05		03A Ext. back	0-0.5"			✓	Plastic - H ₂ SO ₄ , [] 250 ml [] 500 ml [] 1000 ml	1956 wing - Cate
06		03B ↓	0-0.5"			✓	Plastic - HNO ₃ , [] 250 ml [] 500 ml [] 1000 ml	1956 wing - Cate
07		04A Ext. back	0-0.5"			✓	Plastic - NaOH, [] 250 ml [] 500 ml [] 1000 ml	1956 wing - Cate
08		04B ↓	0-0.5"			✓		1956 wing - Cate
09		05A Ext. back	0-0.5"			✓		1956 wing - Cate
10		05B ↓	0-0.5"			✓		1956 wing - Cate

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
-----------------	-----------------	-------------	------	------	---

1	<i>[Signature]</i>	<i>[Signature]</i>	4/9/12	9:55	
2	<i>[Signature]</i>	<i>[Signature]</i>	4/9/12	14:40	
3					
4					



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

12D0242

46 Hartford Road, Manchester, CT 06040
56 Quarry Road, Trumbull, CT 06611
1419 Richland Street, Columbia, SC 29201
78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122
275 Promenade Street, Suite 350, Providence, RI 02908
80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0344

Turnaround

☐ 1 Day* ☐ 2 Days* ☒ 3 Days* ☐ Other _____ (days)
Standard (5 days) *Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Plut H.S., Meriden, CT

201123, AIE

Con-Test

Analysis Request

Containers

REPORT TO:
INVOICE TO:

P.O. No.:

Sampler's Signature:

Date: 4-6-12

Source Codes:

MW=Monitoring Well PW=Portable Water S=Soil
SW=Surface Water T=Treatment Facility B=Sediment W=Waste
A=Air

X=Other

Adj. surface / bulk

Item No.

Transfer Check

Source Code

Date Sampled

Time Sampled

Analysis Request

Containers

Comments

Comments

Comments

1 2 3 4

Sample Number

Source Code

Date Sampled

Time Sampled

Analysis Request

Containers

Comments

Comments

Comments

11

06A Int. block 0.5-1.0" X

X

4-6-12

pm

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

12

06B wood floor stucco

Bulk

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

13

07A wood floor stucco

Bulk

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

14

07C

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

15

08A mastic (cork under wood gym floor)

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

16

08B

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

17

08C

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

18

09A

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

19

09B

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

20

09B

✓

✓

✓

✓

✓

✓

Int. km. 6.3

Int. km. 6.3

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

Additional Comments:



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver
(800) 646-2469 • www.FandO.com

12 D0242

- ✓ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richard Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0345

Turnaround

- ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☐ 5 Days* ☐ 6 Days* ☐ 7 Days* ☐ 8 Days* ☐ 9 Days* ☐ 10 Days*
Standard (5 days) *Surcharge Applies (days)

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

REPORT TO:

Platt H-S,

Meriden, CT

2011127, AIE

Can-Test

INVOICE TO:

P.O. No.:

Sampler's Signature:

[Signature]

Date: 4-6-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Portable Water
T=Treatment Facility

S=Soil
B=Sediment

W=Waste
A=Air

X=Other

Analysis Request

Containers

- Soil VOA Vial, [] methanol [] Na₂(SO₄)₂
Soil VOA Vial, [] water []
Glass Soil Container () oz
Glass Soil Container () oz
Other: []
Water VOA Vial, [] As is [] HCl [] H₂SO₄
Glass Amber () ml, [] As is [] H₂SO₄
Plastic - As is, [] 250 ml [] 500 [] 1000 ml
Plastic - H₂SO₄, [] 250 ml [] 500 ml
Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered
Plastic - NaOH, 250 ml

Comments

Gym (1985)
Gym (1986)

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
21	1	0906EAM-1	Bulk	4-6-12	pm	✓	✓	Gym (1985)
22	1	0906EAM-2	Bulk	4-6-12	pm	✓	✓	Gym (1986)
23	1	10A wood floor slab				✓	✓	
24	1	10C				✓	✓	
25	1	11A vapor barrier				✓	✓	
26	1	11B (under gym wood floor)				✓	✓	
27	1	11C				✓	✓	
28	1	12 black tar behind 8x8				✓	✓	
29	1	13 black tar behind 8x8				✓	✓	
30	1	13 flashing poured (under 8x8)				✓	✓	
31	1	13 flashing poured (under 8x8)				✓	✓	
32	1	13 flashing poured (under 8x8)				✓	✓	
33	1	13 flashing poured (under 8x8)				✓	✓	
34	1	13 flashing poured (under 8x8)				✓	✓	
35	1	13 flashing poured (under 8x8)				✓	✓	
36	1	13 flashing poured (under 8x8)				✓	✓	
37	1	13 flashing poured (under 8x8)				✓	✓	
38	1	13 flashing poured (under 8x8)				✓	✓	
39	1	13 flashing poured (under 8x8)				✓	✓	
40	1	13 flashing poured (under 8x8)				✓	✓	
41	1	13 flashing poured (under 8x8)				✓	✓	
42	1	13 flashing poured (under 8x8)				✓	✓	
43	1	13 flashing poured (under 8x8)				✓	✓	
44	1	13 flashing poured (under 8x8)				✓	✓	
45	1	13 flashing poured (under 8x8)				✓	✓	
46	1	13 flashing poured (under 8x8)				✓	✓	
47	1	13 flashing poured (under 8x8)				✓	✓	
48	1	13 flashing poured (under 8x8)				✓	✓	
49	1	13 flashing poured (under 8x8)				✓	✓	
50	1	13 flashing poured (under 8x8)				✓	✓	

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

Sample #13 reference to 0106EAM-19P
Re-submitted for additional clearing 50 RL 15 & 19PPM.

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neill RECEIVED BY: SD DATE: 4/9/12

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No ☐ No CoC Included

2) Does the chain agree with the samples?

☒ Yes ☐ No

If not, explain:

3) Are all the samples in good condition?

☒ Yes ☐ No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? ☒ Yes ☐ No ☐ N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3

5) Are there Dissolved samples for the lab to filter?

Yes ☒ No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes ☒ No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No ☒ N/A

9) Do all samples have the proper Base pH: Yes No ☒ N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>29</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 2 Sept 2011 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

July 9, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Meriden, CT
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12F1044

Enclosed are results of analyses for samples received by the laboratory on June 29, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 7/9/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12F1044

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Meriden, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0629EMM 11A	12F1044-01	Concrete	Ceiling Joint	SW-846 8082A	
0629EMM 11B	12F1044-02	Concrete	Ceiling Joint	SW-846 8082A	
0629EMM 11C	12F1044-03	Concrete	Ceiling Joint	SW-846 8082A	
0629EMM 12	12F1044-04	Concrete	Concrete Floor	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254, Aroclor-1260

12F1044-01[0629EMM 11A]

Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column.

All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

Aroclor-1254, Aroclor-1260

12F1044-01[0629EMM 11A]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

Project Location: Meriden, CT

Sample Description: Ceiling Joint

Work Order: 12F1044

Date Received: 6/29/2012

Field Sample #: 0629EMM 11A

Sampled: 6/29/2012 00:00

Sample ID: 12F1044-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1254 [1]	2.8	0.91	mg/Kg	10	P-04, V-24	SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1260 [1]	8.0	0.91	mg/Kg	10	P-04, V-24	SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:15	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	110		30-150				7/5/12 15:15		
Decachlorobiphenyl [2]	83.5		30-150				7/5/12 15:15		
Tetrachloro-m-xylene [1]	93.5		30-150				7/5/12 15:15		
Tetrachloro-m-xylene [2]	111		30-150				7/5/12 15:15		

Project Location: Meriden, CT

Sample Description: Ceiling Joint

Work Order: 12F1044

Date Received: 6/29/2012

Field Sample #: 0629EMM 11B

Sampled: 6/29/2012 00:00

Sample ID: 12F1044-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:28	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	84.5	30-150						7/5/12 15:28	
Decachlorobiphenyl [2]	120	30-150						7/5/12 15:28	
Tetrachloro-m-xylene [1]	87.4	30-150						7/5/12 15:28	
Tetrachloro-m-xylene [2]	99.5	30-150						7/5/12 15:28	

Project Location: Meriden, CT

Sample Description: Ceiling Joint

Work Order: 12F1044

Date Received: 6/29/2012

Field Sample #: 0629EMM 11C

Sampled: 6/29/2012 00:00

Sample ID: 12F1044-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:41	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	111		30-150				7/5/12 15:41		
Decachlorobiphenyl [2]	129		30-150				7/5/12 15:41		
Tetrachloro-m-xylene [1]	86.5		30-150				7/5/12 15:41		
Tetrachloro-m-xylene [2]	97.1		30-150				7/5/12 15:41		

Project Location: Meriden, CT

Sample Description: Concrete Floor

Work Order: 12F1044

Date Received: 6/29/2012

Field Sample #: 0629EMM 12

Sampled: 6/29/2012 00:00

Sample ID: 12F1044-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	6/30/12	7/5/12 15:54	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	101		30-150				7/5/12 15:54		
Decachlorobiphenyl [2]	95.0		30-150				7/5/12 15:54		
Tetrachloro-m-xylene [1]	76.7		30-150				7/5/12 15:54		
Tetrachloro-m-xylene [2]	86.2		30-150				7/5/12 15:54		

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12F1044-01 [0629EMM 11A]	B054321	2.20	10.0	06/30/12
12F1044-02 [0629EMM 11B]	B054321	2.20	10.0	06/30/12
12F1044-03 [0629EMM 11C]	B054321	2.00	10.0	06/30/12
12F1044-04 [0629EMM 12]	B054321	2.10	10.0	06/30/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B054321 - SW-846 3540C
Blank (B054321-BLK1)

Prepared: 06/30/12 Analyzed: 07/03/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.31		mg/Kg	1.00		131	30-150			
Surrogate: Tetrachloro-m-xylene	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.11		mg/Kg	1.00		111	30-150			

LCS (B054321-BS1)

Prepared: 06/30/12 Analyzed: 07/03/12

Aroclor-1016	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		118	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		121	40-140			
Surrogate: Decachlorobiphenyl	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.31		mg/Kg	1.00		131	30-150			
Surrogate: Tetrachloro-m-xylene	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.15		mg/Kg	1.00		115	30-150			

LCS Dup (B054321-BSD1)

Prepared: 06/30/12 Analyzed: 07/03/12

Aroclor-1016	0.25	0.10	mg/Kg	0.250		101	40-140	7.15	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	3.07	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		115	40-140	2.07	30	
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		118	40-140	2.72	30	
Surrogate: Decachlorobiphenyl	0.993		mg/Kg	1.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.23		mg/Kg	1.00		123	30-150			
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
P-04	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



FUSS & O'NEILL ENVIRONMENTAL, LLC
Disciplines to Deliver

(860) 646-2469 • www.fandn.com

12 F1044

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0406

Turnaround

- ☐ 1 Day* ☐ 3 Days* ☒ Standard (5 days) ☐ Other (days) ☐ Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Plat H.S.

REPORT TO: Karen Redfield

Analysis Request

Containers

INVOICE TO:

P.O. NO.:

Sampler's Signature:

Date: 6-29-12

Source Codes:

MW=Monitoring Well PW=Portable Water S=Soil
SW=Surface Water T=Treatment Facility B=Sediment
A=Air

X=Other ☒ Hyd. Surface - concrete

Item No.

Transfer Check

Source Code

Date Sampled

Time Sampled

Soil VOA Vial, [] methanol

Glass Soil Container (oz)

Water VOA Vial, [] As is [] HCl

Plastic - As is, [] 250 ml [] 500 [] 1000 ml

Plastic - H₂SO₄, [] 250 ml [] 500 ml

Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered

Comments

01

1

062912

Bulk

6-29-12

a.m.

✓

✓

✓

✓

✓

✓

02

1

11A ceiling joint

Bulk

6-29-12

a.m.

✓

✓

✓

✓

✓

✓

03

1

11C

↓

↓

↓

✓

✓

✓

✓

✓

✓

04

1

12 concrete floor

X

↓

↓

✓

✓

✓

✓

✓

✓

Pool
Aux. Gym

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

1

John M. M. M.

Paul R. R.

6/29/12 16:50

Additional Comments:

2

John M. M. M.

Paul R. R.

6/29/12 17:55

3

John M. M. M.

Paul R. R.

6/29/12 17:58

4

John M. M. M.

Paul R. R.

6/29/12 17:58

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neil RECEIVED BY: JB DATE: 6/29/12

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No No CoC Included

2) Does the chain agree with the samples?

If not, explain:

3) Are all the samples in good condition?

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? ☒ Yes ☐ No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.7

5) Are there Dissolved samples for the lab to filter?

Yes ☐ No ☒

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes ☐ No ☒

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No ☒ N/A

9) Do all samples have the proper Base pH: Yes No ☒ N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No ☒ N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>4</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Time and Date Frozen:

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 3 May 2012 # Thiosulfate _____ Unpreserved _____

Appendix B

Laboratory Analysis and Chain of Custody – Adjacent Porous Surfaces-Bulk

April 17, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Platt H.S
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12D0242

Enclosed are results of analyses for samples received by the laboratory on April 9, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 4/17/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0242

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt H.S

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0406EMM-01A (0-0.5in)	12D0242-01	Product/Solid	Ext. Brick 1956 Wing	SW-846 8082A	
0406EMM-01B (0.5-1.0in)	12D0242-02	Product/Solid	Ext. Brick 1956 Wing	SW-846 8082A	
0406EMM-02A (0-0.5in)	12D0242-03	Product/Solid	Ext. Brick 1958 Wing-Cafeteria	SW-846 8082A	
0406EMM-02B (0.5-1.0in)	12D0242-04	Product/Solid	Ext. Brick 1958 Wing-Cafeteria	SW-846 8082A	
0406EMM-03A (0-0.5in)	12D0242-05	Product/Solid	Ext. Brick 1958 Wing	SW-846 8082A	
0406EMM-03B (0.5-1.0in)	12D0242-06	Product/Solid	Ext. Brick 1958 Wing	SW-846 8082A	
0406EMM-04A (0-0.5in)	12D0242-07	Product/Solid	Int. Block (right) Corridor	SW-846 8082A	
0406EMM-04B (0-0.5in)	12D0242-08	Product/Solid	Int. Block (left) Corridor	SW-846 8082A	
0406EMM-05A (0-0.5in)	12D0242-09	Product/Solid	Int. Block Int.-RM. 83	SW-846 8082A	
0406EMM-05B (0.5-1.0in)	12D0242-10	Product/Solid	Int. Block Int.-RM. 83	SW-846 8082A	
0406EMM-06A (0-0.5in)	12D0242-11	Product/Solid	Int. Block Int.-RM. 63	SW-846 8082A	
0406EMM-06B (0.5-1.0in)	12D0242-12	Product/Solid	Int. Block Int.-RM. 63	SW-846 8082A	
0406EMM-07A	12D0242-13	Bulk	Wood Floor Shellac (Gym 1968)	SW-846 8082A	
0406EMM-07B	12D0242-14	Bulk	Wood Floor Shellac (Gym 1968)	SW-846 8082A	
0406EMM-07C	12D0242-15	Bulk	Wood Floor Shellac (Gym 1968)	SW-846 8082A	
0406EMM-08A	12D0242-16	Bulk	Mastic (Cork Under Wood Gym Floor) (Gym 1968)	SW-846 8082A	
0406EMM-08B	12D0242-17	Bulk	Mastic (Cork Under Wood Gym Floor) (Gym 1968)	SW-846 8082A	
0406EMM-08C	12D0242-18	Bulk	Mastic (Cork Under Wood Gym Floor) (Gym 1968)	SW-846 8082A	
0406EMM-09A	12D0242-19	Bulk	Blk Tor Upper Barrier (Under Cork Gym Floor)(1968)	SW-846 8082A	
0406EMM-09B	12D0242-20	Bulk	Blk Tor Upper Barrier (Under Cork Gym Floor)(1968)	SW-846 8082A	
0406EMM-09C	12D0242-21	Bulk	Blk For Upper Barrier (Under Cork Gym Floor)(1968)	SW-846 8082A	
0406EMM-10A	12D0242-22	Bulk	Wood Floor Shellac (Gym 1956)	SW-846 8082A	
0406EMM-10B	12D0242-23	Bulk	Wood Floor Shellac (Gym 1956)	SW-846 8082A	
0406EMM-10C	12D0242-24	Bulk	Wood Floor Shellac (Gym 1956)	SW-846 8082A	
0406EMM-11A	12D0242-25	Bulk	Vapor Barrier (Under Gym Wood Floor) (Gym 1956)	SW-846 8082A	
0406EMM-11B	12D0242-26	Bulk	Vapor Barrier (Under Gym Wood Floor) (Gym 1956)	SW-846 8082A	
0406EMM-11C	12D0242-27	Bulk	Vapor Barrier (Under Gym Wood Floor) (Gym 1956)	SW-846 8082A	
0406EMM-12	12D0242-28	Bulk	Int. Exp. Blacktor Behind Exp.	SW-846 8082A	
0406EMM-13	12D0242-29	Bulk	Flashing Parapet (Under Metal) (1956)	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.

Analyte & Samples(s) Qualified:

12D0242-21[0406EMM-09C], 12D0242-22[0406EMM-10A], 12D0242-23[0406EMM-10B], 12D0242-24[0406EMM-10C], 12D0242-25[0406EMM-11A], 12D0242-26[0406EMM-11B], 12D0242-27[0406EMM-11C], 12D0242-28[0406EMM-12], 12D0242-29[0406EMM-13]

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1248 [2C]

12D0242-25[0406EMM-11A], 12D0242-26[0406EMM-11B], 12D0242-27[0406EMM-11C]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

12D0242-14[0406EMM-07B], 12D0242-28[0406EMM-12]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

Project Location: Platt H.S

Sample Description: Ext. Brick 1956 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-01A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:03	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.1	30-150							
Decachlorobiphenyl [2]	119	30-150							
Tetrachloro-m-xylene [1]	109	30-150							
Tetrachloro-m-xylene [2]	121	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1956 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-01B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:17	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.8	30-150							
Decachlorobiphenyl [2]	120	30-150							
Tetrachloro-m-xylene [1]	114	30-150							
Tetrachloro-m-xylene [2]	126	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing-Cafeteria

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-02A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:31	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.7	30-150							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing-Cafeteria

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-02B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:45	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	88.9	30-150						4/13/12 9:45	
Decachlorobiphenyl [2]	107	30-150						4/13/12 9:45	
Tetrachloro-m-xylene [1]	113	30-150						4/13/12 9:45	
Tetrachloro-m-xylene [2]	126	30-150						4/13/12 9:45	

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-03A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 9:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.3	30-150							
Decachlorobiphenyl [2]	117	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Platt H.S

Sample Description: Ext. Brick 1958 Wing

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-03B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 10:13	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.5	30-150							
Decachlorobiphenyl [2]	137	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: Platt H.S

Sample Description: Int. Block (right) Corridor

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-04A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1248 [1]	3.7	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1254 [1]	0.89	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 10:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.7	30-150							
Decachlorobiphenyl [2]	135	30-150							
Tetrachloro-m-xylene [1]	113	30-150							
Tetrachloro-m-xylene [2]	124	30-150							

Project Location: Platt H.S

Sample Description: Int. Block (left) Corridor

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-04B (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1248 [1]	2.6	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1254 [1]	0.70	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 11:09	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.3	30-150							
Decachlorobiphenyl [2]	114	30-150							
Tetrachloro-m-xylene [1]	109	30-150							
Tetrachloro-m-xylene [2]	121	30-150							

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 83

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-05A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1248 [1]	0.21	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1254 [2]	0.15	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:23	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.7	30-150						4/13/12 11:23	
Decachlorobiphenyl [2]	130	30-150						4/13/12 11:23	
Tetrachloro-m-xylene [1]	105	30-150						4/13/12 11:23	
Tetrachloro-m-xylene [2]	117	30-150						4/13/12 11:23	

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 83

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-05B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1254 [2]	0.10	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.8	30-150							
Decachlorobiphenyl [2]	124	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	116	30-150							

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 63

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-06A (0-0.5in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1248 [1]	0.67	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1254 [1]	0.14	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 11:51	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.9	30-150							
Decachlorobiphenyl [2]	129	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	120	30-150							

Project Location: Platt H.S

Sample Description: Int. Block Int.-RM. 63

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-06B (0.5-1.0in)

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 12:05	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.9	30-150						4/13/12 12:05	
Decachlorobiphenyl [2]	130	30-150						4/13/12 12:05	
Tetrachloro-m-xylene [1]	113	30-150						4/13/12 12:05	
Tetrachloro-m-xylene [2]	125	30-150						4/13/12 12:05	

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1968)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-07A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-13

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1254 [2]	23	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	4/10/12	4/13/12 12:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150						4/13/12 12:19	
Decachlorobiphenyl [2]	127	30-150						4/13/12 12:19	
Tetrachloro-m-xylene [1]	108	30-150						4/13/12 12:19	
Tetrachloro-m-xylene [2]	120	30-150						4/13/12 12:19	

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1968)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-07B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-14

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1221 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1232 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1242 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1248 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1254 [2]	67	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1260 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1262 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Aroclor-1268 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	4/10/12	4/17/12 1:36	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/17/12 1:36	
Decachlorobiphenyl [2]	*	30-150			S-01			4/17/12 1:36	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/17/12 1:36	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/17/12 1:36	

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1968)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-07C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-15

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1254 [2]	11	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	4/10/12	4/13/12 12:47	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.1	30-150						4/13/12 12:47	
Decachlorobiphenyl [2]	114	30-150						4/13/12 12:47	
Tetrachloro-m-xylene [1]	101	30-150						4/13/12 12:47	
Tetrachloro-m-xylene [2]	110	30-150						4/13/12 12:47	

Project Location: Platt H.S

Sample Description: Mastic (Cork Under Wood Gym Floor)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-08A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-16

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1248 [2]	2.6	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1254 [2]	3.1	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:42	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.5	30-150							
Decachlorobiphenyl [2]	95.6	30-150							
Tetrachloro-m-xylene [1]	112	30-150							
Tetrachloro-m-xylene [2]	109	30-150							

Project Location: Platt H.S

Sample Description: Mastic (Cork Under Wood Gym Floor)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-08B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-17

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1248 [2]	2.3	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1254 [1]	1.6	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 22:55	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.0	30-150							
Decachlorobiphenyl [2]	87.5	30-150							
Tetrachloro-m-xylene [1]	99.8	30-150							
Tetrachloro-m-xylene [2]	98.1	30-150							

Project Location: Platt H.S

Sample Description: Mastic (Cork Under Wood Gym Floor)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-08C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-18

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:08	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	76.2	30-150							
Decachlorobiphenyl [2]	74.9	30-150							
Tetrachloro-m-xylene [1]	96.2	30-150							
Tetrachloro-m-xylene [2]	95.4	30-150							

Project Location: Platt H.S

Sample Description: Blk Tor Upper Barrier (Under Cork Gy

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-09A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-19

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1221 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1232 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1242 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1248 [2]	7.4	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1254 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1260 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1262 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Aroclor-1268 [1]	ND	1.9	mg/Kg	20		SW-846 8082A	4/10/12	4/17/12 1:49	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	102	30-150						4/17/12 1:49	
Decachlorobiphenyl [2]	118	30-150						4/17/12 1:49	
Tetrachloro-m-xylene [1]	108	30-150						4/17/12 1:49	
Tetrachloro-m-xylene [2]	118	30-150						4/17/12 1:49	

Project Location: Platt H.S

Sample Description: Blk Tor Upper Barrier (Under Cork Gy

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-09B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-20

Sample Matrix: Bulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1248 [2]	2.3	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 23:33	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	74.6	30-150						4/13/12 23:33	
Decachlorobiphenyl [2]	74.1	30-150						4/13/12 23:33	
Tetrachloro-m-xylene [1]	84.6	30-150						4/13/12 23:33	
Tetrachloro-m-xylene [2]	82.4	30-150						4/13/12 23:33	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Blk For Upper Barrier (Under Cork Gy

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-09C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-21

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1248 [2]	2.4	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 5:52	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.9	30-150							
Decachlorobiphenyl [2]	99.0	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	97.6	30-150							

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-10A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-22

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1221 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1232 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1242 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1248 [2]	0.62	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1254 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1260 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1262 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Aroclor-1268 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:05	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.5	30-150						4/13/12 6:05	
Decachlorobiphenyl [2]	91.5	30-150						4/13/12 6:05	
Tetrachloro-m-xylene [1]	103	30-150						4/13/12 6:05	
Tetrachloro-m-xylene [2]	103	30-150						4/13/12 6:05	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-10B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-23

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1248 [2]	0.36	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1254 [1]	0.55	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:18	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	50.7	30-150						4/13/12 6:18	
Decachlorobiphenyl [2]	50.6	30-150						4/13/12 6:18	
Tetrachloro-m-xylene [1]	112	30-150						4/13/12 6:18	
Tetrachloro-m-xylene [2]	108	30-150						4/13/12 6:18	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt H.S

Sample Description: Wood Floor Shellac (Gym 1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-10C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-24

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1248 [2]	0.39	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1254 [1]	0.48	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	4/10/12	4/13/12 6:31	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	53.9	30-150							
Decachlorobiphenyl [2]	54.1	30-150							
Tetrachloro-m-xylene [1]	120	30-150							
Tetrachloro-m-xylene [2]	113	30-150							

Project Location: Platt H.S

Sample Description: Vapor Barrier (Under Gym Wood Floc

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-11A

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-25

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1248 [2]	3.1	0.45	mg/Kg	5	P-01	SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1254 [1]	2.7	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:44	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	107	30-150							
Decachlorobiphenyl [2]	94.8	30-150							
Tetrachloro-m-xylene [1]	98.3	30-150							
Tetrachloro-m-xylene [2]	96.2	30-150							

Project Location: Platt H.S

Sample Description: Vapor Barrier (Under Gym Wood Floc

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-11B

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-26

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1248 [2]	1.5	0.50	mg/Kg	5	P-01	SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1254 [1]	1.4	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 6:57	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.9	30-150						4/13/12 6:57	
Decachlorobiphenyl [2]	75.3	30-150						4/13/12 6:57	
Tetrachloro-m-xylene [1]	74.6	30-150						4/13/12 6:57	
Tetrachloro-m-xylene [2]	75.9	30-150						4/13/12 6:57	

Project Location: Platt H.S

Sample Description: Vapor Barrier (Under Gym Wood Floc

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-11C

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-27

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1221 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1232 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1242 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1248 [1]	2.3	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1254 [1]	3.0	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1260 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1262 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Aroclor-1268 [1]	ND	0.59	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:10	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	102		30-150				4/13/12 7:10		
Decachlorobiphenyl [2]	85.0		30-150				4/13/12 7:10		
Tetrachloro-m-xylene [1]	82.2		30-150				4/13/12 7:10		
Tetrachloro-m-xylene [2]	84.1		30-150				4/13/12 7:10		

Project Location: Platt H.S

Sample Description: Int. Exp. Blacktor Behind Exp.

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-12

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-28

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1221 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1232 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1242 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1248 [2]	14	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1254 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1260 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1262 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Aroclor-1268 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	4/10/12	4/13/12 7:23	PJG
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/13/12 7:23	
Decachlorobiphenyl [2]	*	30-150			S-01			4/13/12 7:23	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/13/12 7:23	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/13/12 7:23	

Project Location: Platt H.S

Sample Description: Flashing Parapet (Under Metal) (1956)

Work Order: 12D0242

Date Received: 4/9/2012

Field Sample #: 0406EMM-13

Sampled: 4/6/2012 00:00

Sample ID: 12D0242-29

Sample Matrix: Bulk

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	4/10/12	4/13/12 7:36	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	82.2		30-150				4/13/12 7:36		
Decachlorobiphenyl [2]	85.6		30-150				4/13/12 7:36		
Tetrachloro-m-xylene [1]	88.5		30-150				4/13/12 7:36		
Tetrachloro-m-xylene [2]	90.3		30-150				4/13/12 7:36		

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12D0242-01 [0406EMM-01A (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-02 [0406EMM-01B (0.5-1.0in)]	B049480	2.20	10.0	04/10/12
12D0242-03 [0406EMM-02A (0-0.5in)]	B049480	2.10	10.0	04/10/12
12D0242-04 [0406EMM-02B (0.5-1.0in)]	B049480	2.00	10.0	04/10/12
12D0242-05 [0406EMM-03A (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-06 [0406EMM-03B (0.5-1.0in)]	B049480	2.10	10.0	04/10/12
12D0242-07 [0406EMM-04A (0-0.5in)]	B049480	2.00	10.0	04/10/12
12D0242-08 [0406EMM-04B (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-09 [0406EMM-05A (0-0.5in)]	B049480	2.10	10.0	04/10/12
12D0242-10 [0406EMM-05B (0.5-1.0in)]	B049480	2.10	10.0	04/10/12
12D0242-11 [0406EMM-06A (0-0.5in)]	B049480	2.20	10.0	04/10/12
12D0242-12 [0406EMM-06B (0.5-1.0in)]	B049480	2.20	10.0	04/10/12
12D0242-13 [0406EMM-07A]	B049480	2.00	10.0	04/10/12
12D0242-14 [0406EMM-07B]	B049480	2.20	10.0	04/10/12
12D0242-15 [0406EMM-07C]	B049480	2.00	10.0	04/10/12
12D0242-16 [0406EMM-08A]	B049480	2.20	10.0	04/10/12
12D0242-17 [0406EMM-08B]	B049480	2.00	10.0	04/10/12
12D0242-18 [0406EMM-08C]	B049480	2.00	10.0	04/10/12
12D0242-19 [0406EMM-09A]	B049480	2.10	10.0	04/10/12
12D0242-20 [0406EMM-09B]	B049480	2.10	10.0	04/10/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12D0242-21 [0406EMM-09C]	B049481	2.00	10.0	04/10/12
12D0242-22 [0406EMM-10A]	B049481	2.30	10.0	04/10/12
12D0242-23 [0406EMM-10B]	B049481	2.00	10.0	04/10/12
12D0242-24 [0406EMM-10C]	B049481	2.10	10.0	04/10/12
12D0242-25 [0406EMM-11A]	B049481	2.20	10.0	04/10/12
12D0242-26 [0406EMM-11B]	B049481	2.00	10.0	04/10/12
12D0242-27 [0406EMM-11C]	B049481	1.70	10.0	04/10/12
12D0242-28 [0406EMM-12]	B049481	2.00	10.0	04/10/12
12D0242-29 [0406EMM-13]	B049481	2.10	10.0	04/10/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B049480 - SW-846 3540C
Blank (B049480-BLK1)

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.19		mg/Kg	1.00		119	30-150			
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.15		mg/Kg	1.00		115	30-150			

LCS (B049480-BS1)

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		114	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		104	40-140			
Surrogate: Decachlorobiphenyl	0.949		mg/Kg	1.00		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.16		mg/Kg	1.00		116	30-150			
Surrogate: Tetrachloro-m-xylene	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.22		mg/Kg	1.00		122	30-150			

LCS Dup (B049480-BSD1)

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.24	0.10	mg/Kg	0.250		97.6	40-140	10.5	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		122	40-140	7.04	30	
Aroclor-1260	0.29	0.10	mg/Kg	0.250		115	40-140	1.51	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	10.2	30	
Surrogate: Decachlorobiphenyl	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.18		mg/Kg	1.00		118	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B049480 - SW-846 3540C
Matrix Spike (B049480-MS1)
Source: 12D0242-01

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.27	0.095	mg/Kg	0.238	0.0	112	40-140			
Aroclor-1016 [2C]	0.25	0.095	mg/Kg	0.238	0.0	105	40-140			
Aroclor-1260	0.27	0.095	mg/Kg	0.238	0.0	115	40-140			
Aroclor-1260 [2C]	0.28	0.095	mg/Kg	0.238	0.0	118	40-140			
Surrogate: Decachlorobiphenyl	0.845		mg/Kg	0.952		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.15		mg/Kg	0.952		121	30-150			
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	0.952		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.18		mg/Kg	0.952		124	30-150			

Matrix Spike Dup (B049480-MSD1)
Source: 12D0242-01

Prepared: 04/10/12 Analyzed: 04/13/12

Aroclor-1016	0.27	0.095	mg/Kg	0.238	0.0	114	40-140	1.31	50	
Aroclor-1016 [2C]	0.26	0.095	mg/Kg	0.238	0.0	108	40-140	2.98	50	
Aroclor-1260	0.26	0.095	mg/Kg	0.238	0.0	109	40-140	5.31	50	
Aroclor-1260 [2C]	0.28	0.095	mg/Kg	0.238	0.0	117	40-140	0.901	50	
Surrogate: Decachlorobiphenyl	0.857		mg/Kg	0.952		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.18		mg/Kg	0.952		124	30-150			
Surrogate: Tetrachloro-m-xylene	1.04		mg/Kg	0.952		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.17		mg/Kg	0.952		123	30-150			

Batch B049481 - SW-846 3540C
Blank (B049481-BLK1)

Prepared: 04/10/12 Analyzed: 04/11/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.970		mg/Kg	1.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B049481 - SW-846 3540C
LCS (B049481-BS1)

Prepared: 04/10/12 Analyzed: 04/11/12

Aroclor-1016	0.29	0.10	mg/Kg	0.250		117	40-140			
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		120	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		120	40-140			
Surrogate: Decachlorobiphenyl	1.31		mg/Kg	1.00		131	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.17		mg/Kg	1.00		117	30-150			
Surrogate: Tetrachloro-m-xylene	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.20		mg/Kg	1.00		120	30-150			

LCS Dup (B049481-BSD1)

Prepared: 04/10/12 Analyzed: 04/11/12

Aroclor-1016	0.27	0.10	mg/Kg	0.250		106	40-140	9.91	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		110	40-140	8.94	30	
Aroclor-1260	0.24	0.10	mg/Kg	0.250		96.8	40-140	12.3	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	11.2	30	
Surrogate: Decachlorobiphenyl	1.11		mg/Kg	1.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.974		mg/Kg	1.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
O-28	Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. The higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

12D0242

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 0342

PROJECT NAME

Plot #1-S

PROJECT LOCATION

Monday, CT

PROJECT NUMBER

2011122, AVE

LABORATORY

Can-Test

REPORT TO: Karen Redfield

INVOICE TO:

P.O. NO.:

Sampler's Signature:

[Signature]

Date: 3-6-12

Source Codes:

MW=Monitoring Well
SW=Surface Water
PW=Pore Water
T=Treatment Facility
S=Soil
B=Scum
W=Waste
A=Air

X=Other

Adv. Surface

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
01		01A Ext. back	0-0.5"	4-6-12	9:00	✓	✓	1956 wing
02		01B ↓	0.5-1.0"			✓	✓	1956 wing
03		02A Ext. back	0-0.5"			✓	✓	1956 wing - Cate
04		02B ↓	0.5-1.0"			✓	✓	1956 wing - Cate
05		03A Ext. back	0-0.5"			✓	✓	1956 wing - Cate
06		03B ↓	0.5-1.0"			✓	✓	1956 wing - Cate
07		04A Ext. back	0-0.5"			✓	✓	1956 wing - Cate
08		04B ↓	0-0.5"			✓	✓	1956 wing - Cate
09		05A Ext. back	0-0.5"			✓	✓	1956 wing - Cate
10		05B ↓	0.5-1.0"			✓	✓	1956 wing - Cate

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

[Signature]

[Signature]

4/9/12

9:55

16:40



FUSS & O'NEILL ENVIROSCIENCE, LLC
Disciplines to Deliver
(800) 646-2469 • www.FandO.com

12 D0242

- ✓ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richard Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0345

Turnaround

- ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☐ 5 Days* ☐ 6 Days* ☐ 7 Days* ☐ 8 Days* ☐ 9 Days* ☐ 10 Days*
Standard (5 days) *Surcharge Applies (days)

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

REPORT TO:

Platt H-S,

Meriden, CT

2011127, AIE

Can-Test

INVOICE TO:

P.O. No.:

Sampler's Signature:

[Signature]

Date: 4-6-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Portable Water
T=Treatment Facility

S=Soil
B=Sediment

W=Waste
A=Air

X=Other

Analysis Request

Containers

- Soil VOA Vial, [] methanol [] Na₂(SO₄)₂
Soil VOA Vial, [] water []
Glass Soil Container () oz
Glass Soil Container () oz
Other: []
Water VOA Vial, [] As is [] HCl [] H₂SO₄
Glass Amber () ml, [] As is [] H₂SO₄
Plastic - As is, [] 250 ml [] 500 ml [] 1000 ml
Plastic - H₂SO₄, [] 250 ml [] 500 ml [] Filtered [] Unfiltered
Plastic - HNO₃, 250 ml []
Plastic - NaOH, 250 ml []

Comments

Gym (1985)
Gym (1986)

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
21		0906EAM-	Bulk	4-6-12	pm	✓	✓	Gym (1985)
22		104 wood floor slab				✓	✓	Gym (1986)
23		10B				✓	✓	
24		10C				✓	✓	
25		11A vapor barrier				✓	✓	
26		11B (under gym wood floor)				✓	✓	
27		11C				✓	✓	
28		12 black tar behind 8x8				✓	✓	Int. exp. ft.
29		13 flashing pointing (under 8x8)				✓	✓	(1986)
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

Sample #13 reference to 0106EAM-19P
Re-submitted for additional cleanup 50 RL 15 & 19PPM.

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neill RECEIVED BY: SD DATE: 4/9/12

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No ☐ No CoC Included

2) Does the chain agree with the samples?

☒ Yes ☐ No

If not, explain:

3) Are all the samples in good condition?

☒ Yes ☐ No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? ☒ Yes ☐ No ☐ N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3

5) Are there Dissolved samples for the lab to filter?

Yes ☒ No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes ☒ No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No ☒ N/A

9) Do all samples have the proper Base pH: Yes No ☒ N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>29</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 2 Sept 2011 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Appendix C

Laboratory Analysis and Chain of Custody – Adjacent Soil Sample Analysis

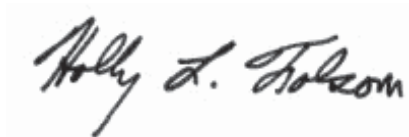
March 15, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Platt HS Meriden CT
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12C0199

Enclosed are results of analyses for samples received by the laboratory on March 8, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 3/15/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12C0199

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt HS Meriden CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0307EMM-01A 0-4	12C0199-01	Soil	Area 1	SM 2540G SW-846 8082A	
0307EMM-02A 0-4	12C0199-03	Soil	Area 1	SM 2540G SW-846 8082A	
0307EMM-03A 0-4	12C0199-05	Soil	Area 2	SM 2540G SW-846 8082A	
0307EMM-04A 0-4	12C0199-07	Soil	Area 2	SM 2540G SW-846 8082A	
0307EMM-05A 0-4	12C0199-09	Soil	Area 3	SM 2540G SW-846 8082A	
0307EMM-06A 0-4	12C0199-11	Soil	Area 3	SM 2540G SW-846 8082A	
0307EMM-07A 0-4	12C0199-13	Soil	Area 3	SM 2540G SW-846 8082A	
0307EMM-08A 0-4	12C0199-15	Soil	Area 4	SM 2540G SW-846 8082A	
0307EMM-09A 0-4	12C0199-17	Soil	Area 4	SM 2540G SW-846 8082A	
0307EMM-10A 0-4	12C0199-19	Soil	Area 4	SM 2540G SW-846 8082A	
0307EMM-11A 0-4	12C0199-21	Soil	Area 4	SM 2540G SW-846 8082A	
0307EMM-12A 0-4	12C0199-23	Soil	Area 4	SM 2540G SW-846 8082A	
0307EMM-13A 0-4	12C0199-25	Soil	Area 5	SM 2540G SW-846 8082A	
0307EMM-14A 0-4	12C0199-27	Soil	Area 5	SM 2540G SW-846 8082A	
0307EMM-15A 0-4	12C0199-29	Soil	Area 5	SM 2540G SW-846 8082A	
0307EMM-16A 0-4	12C0199-31	Soil	Area 6	SM 2540G SW-846 8082A	
0307EMM-17A 0-4	12C0199-33	Soil	Area 7	SM 2540G SW-846 8082A	
0307EMM-18A 0-4	12C0199-35	Soil	Area 7	SM 2540G SW-846 8082A	
0307EMM-19A 0-4	12C0199-37	Soil	Area 7	SM 2540G SW-846 8082A	
0307EMM-20A 0-4	12C0199-39	Soil	Area 7	SM 2540G SW-846 8082A	

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 3/15/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12C0199

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt HS Meriden CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0307EMM-21A 0-4	12C0199-41	Soil	Area 7	SM 2540G SW-846 8082A	
0307EMM-22	12C0199-43	Caulk	Interior CMU Exp. Jt Caulk 1968	SW-846 8082A	
0307EMM-23	12C0199-44	Caulk	Skylight glaze Cmd 1956	SW-846 8082A	
0307EMM-24	12C0199-45	Caulk	Roof drain flashing 1956	SW-846 8082A	
0307EMM-25	12C0199-46	Caulk	Tar & rolled sheet roof 1956	SW-846 8082A	
0307EMM-26	12C0199-47	Product/Solid	Vent Flashing 1956	SW-846 8082A	
0307EMM-27	12C0199-48	Product/Solid	Vent flashing 1968	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J. Damboragian
Laboratory Manager

Project Location: Platt HS Meriden CT

Sample Description: Area 1

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-01A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 21:49	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	90.1	30-150							
Tetrachloro-m-xylene [1]	95.1	30-150							
Tetrachloro-m-xylene [2]	91.0	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 1

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-01A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 1

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-02A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:02	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.7	30-150							
Decachlorobiphenyl [2]	85.1	30-150							
Tetrachloro-m-xylene [1]	93.4	30-150							
Tetrachloro-m-xylene [2]	91.2	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Area 1

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-02A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.6		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 2

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-03A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:15	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.5	30-150					3/10/12 22:15	
Decachlorobiphenyl [2]		75.5	30-150					3/10/12 22:15	
Tetrachloro-m-xylene [1]		87.7	30-150					3/10/12 22:15	
Tetrachloro-m-xylene [2]		85.6	30-150					3/10/12 22:15	

Project Location: Platt HS Meriden CT

Sample Description: Area 2

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-03A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.1		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 2

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-04A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:28	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.4	30-150							
Decachlorobiphenyl [2]	83.8	30-150							
Tetrachloro-m-xylene [1]	92.2	30-150							
Tetrachloro-m-xylene [2]	89.4	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 2

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-04A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.7		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 3

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-05A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:41	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	101		30-150				3/10/12 22:41		
Decachlorobiphenyl [2]	87.9		30-150				3/10/12 22:41		
Tetrachloro-m-xylene [1]	94.7		30-150				3/10/12 22:41		
Tetrachloro-m-xylene [2]	91.3		30-150				3/10/12 22:41		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 3

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-05A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 3

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-06A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 22:54	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	94.2	30-150							
Decachlorobiphenyl [2]	82.1	30-150							
Tetrachloro-m-xylene [1]	90.2	30-150							
Tetrachloro-m-xylene [2]	87.9	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 3

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-06A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.7		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 3

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-07A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:07	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.6	30-150						3/10/12 23:07	
Decachlorobiphenyl [2]	84.2	30-150						3/10/12 23:07	
Tetrachloro-m-xylene [1]	90.0	30-150						3/10/12 23:07	
Tetrachloro-m-xylene [2]	88.5	30-150						3/10/12 23:07	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 3

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-07A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.5		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-08A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:20	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	96.1	30-150							
Decachlorobiphenyl [2]	87.4	30-150							
Tetrachloro-m-xylene [1]	93.1	30-150							
Tetrachloro-m-xylene [2]	91.8	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-08A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.6		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-09A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:33	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.3	30-150							
Decachlorobiphenyl [2]	85.8	30-150							
Tetrachloro-m-xylene [1]	89.3	30-150							
Tetrachloro-m-xylene [2]	87.7	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-09A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.2		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-10A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:46	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.5	30-150							
Decachlorobiphenyl [2]	81.1	30-150							
Tetrachloro-m-xylene [1]	88.1	30-150							
Tetrachloro-m-xylene [2]	86.7	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-10A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-11A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 23:59	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	106		30-150				3/10/12 23:59		
Decachlorobiphenyl [2]	92.6		30-150				3/10/12 23:59		
Tetrachloro-m-xylene [1]	90.4		30-150				3/10/12 23:59		
Tetrachloro-m-xylene [2]	88.6		30-150				3/10/12 23:59		

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-11A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-12A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/11/12 0:12	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	102		30-150				3/11/12 0:12		
Decachlorobiphenyl [2]	90.1		30-150				3/11/12 0:12		
Tetrachloro-m-xylene [1]	89.3		30-150				3/11/12 0:12		
Tetrachloro-m-xylene [2]	86.8		30-150				3/11/12 0:12		

Project Location: Platt HS Meriden CT

Sample Description: Area 4

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-12A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.4		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 5

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-13A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 22:51	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	97.0	30-150							
Tetrachloro-m-xylene [1]	95.6	30-150							
Tetrachloro-m-xylene [2]	95.2	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Area 5

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-13A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.1		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 5

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-14A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-27

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:03	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	92.7	30-150							
Tetrachloro-m-xylene [1]	92.5	30-150							
Tetrachloro-m-xylene [2]	92.3	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Area 5

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-14A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.6		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 5

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-15A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:16	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.4	30-150							
Decachlorobiphenyl [2]	82.1	30-150							
Tetrachloro-m-xylene [1]	86.5	30-150							
Tetrachloro-m-xylene [2]	86.2	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 5

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-15A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	58.6		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 6

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-16A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-31

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:28	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	91.4	30-150							
Decachlorobiphenyl [2]	82.4	30-150							
Tetrachloro-m-xylene [1]	84.9	30-150							
Tetrachloro-m-xylene [2]	84.7	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 6

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-16A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-31

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.5		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-17A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-33

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:40	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	98.0	30-150							
Decachlorobiphenyl [2]	89.2	30-150							
Tetrachloro-m-xylene [1]	87.6	30-150							
Tetrachloro-m-xylene [2]	85.9	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-17A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.7		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-18A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-35

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/9/12 23:53	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	99.8	30-150							
Tetrachloro-m-xylene [1]	94.5	30-150							
Tetrachloro-m-xylene [2]	92.1	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-18A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-35

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.6		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-19A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-37

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:05	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	101		30-150				3/10/12 0:05		
Decachlorobiphenyl [2]	106		30-150				3/10/12 0:05		
Tetrachloro-m-xylene [1]	90.1		30-150				3/10/12 0:05		
Tetrachloro-m-xylene [2]	87.0		30-150				3/10/12 0:05		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-19A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-20A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-39

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:17	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	93.9	30-150							
Decachlorobiphenyl [2]	93.5	30-150							
Tetrachloro-m-xylene [1]	86.0	30-150							
Tetrachloro-m-xylene [2]	83.3	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-20A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-39

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-21A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-41

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	3/8/12	3/10/12 0:30	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	71.1	30-150							
Decachlorobiphenyl [2]	65.5	30-150							
Tetrachloro-m-xylene [1]	65.8	30-150							
Tetrachloro-m-xylene [2]	65.7	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Area 7

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-21A 0-4

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-41

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	3/12/12	3/12/12 0:06	ESH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt HS Meriden CT

Sample Description: Interior CMU Exp. Jt Caulk 1968

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-22

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-43

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1248 [1]	16	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1254 [2]	5.7	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:30	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	95.8	30-150							
Tetrachloro-m-xylene [2]	92.2	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Skylight glaze Cmd 1956

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-23

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-44

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1254 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	3/8/12	3/13/12 1:56	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.2	30-150						3/13/12 1:56	
Decachlorobiphenyl [2]	84.4	30-150						3/13/12 1:56	
Tetrachloro-m-xylene [1]	70.2	30-150						3/13/12 1:56	
Tetrachloro-m-xylene [2]	67.4	30-150						3/13/12 1:56	

Project Location: Platt HS Meriden CT

Sample Description: Roof drain flashing 1956

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-24

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-45

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1221 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1232 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1242 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1248 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1254 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1260 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1262 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Aroclor-1268 [1]	ND	0.97	mg/Kg	5		SW-846 8082A	3/9/12	3/13/12 16:06	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.2	30-150							
Decachlorobiphenyl [2]	84.0	30-150							
Tetrachloro-m-xylene [1]	80.1	30-150							
Tetrachloro-m-xylene [2]	81.9	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Tar & rolled sheet roof 1956

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-25

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-46

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1221 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1232 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1242 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1248 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1254 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1260 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1262 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Aroclor-1268 [1]	ND	0.96	mg/Kg	5		SW-846 8082A	3/9/12	3/14/12 19:22	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.5	30-150							
Decachlorobiphenyl [2]	90.3	30-150							
Tetrachloro-m-xylene [1]	92.4	30-150							
Tetrachloro-m-xylene [2]	103	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Vent Flashing 1956

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-26

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-47

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1248 [2]	0.61	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1254 [2]	0.95	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:26	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.2	30-150							
Decachlorobiphenyl [2]	75.3	30-150							
Tetrachloro-m-xylene [1]	88.6	30-150							
Tetrachloro-m-xylene [2]	86.0	30-150							

Project Location: Platt HS Meriden CT

Sample Description: Vent flashing 1968

Work Order: 12C0199

Date Received: 3/8/2012

Field Sample #: 0307EMM-27

Sampled: 3/7/2012 00:00

Sample ID: 12C0199-48

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	3/8/12	3/9/12 21:39	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.2	30-150							
Decachlorobiphenyl [2]	75.5	30-150							
Tetrachloro-m-xylene [1]	81.8	30-150							
Tetrachloro-m-xylene [2]	82.1	30-150							

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
12C0199-01 [0307EMM-01A 0-4]	B047633	03/12/12
12C0199-03 [0307EMM-02A 0-4]	B047633	03/12/12
12C0199-05 [0307EMM-03A 0-4]	B047633	03/12/12
12C0199-07 [0307EMM-04A 0-4]	B047633	03/12/12
12C0199-09 [0307EMM-05A 0-4]	B047633	03/12/12
12C0199-11 [0307EMM-06A 0-4]	B047633	03/12/12
12C0199-13 [0307EMM-07A 0-4]	B047633	03/12/12
12C0199-15 [0307EMM-08A 0-4]	B047633	03/12/12
12C0199-17 [0307EMM-09A 0-4]	B047633	03/12/12
12C0199-19 [0307EMM-10A 0-4]	B047633	03/12/12
12C0199-21 [0307EMM-11A 0-4]	B047633	03/12/12
12C0199-23 [0307EMM-12A 0-4]	B047633	03/12/12
12C0199-25 [0307EMM-13A 0-4]	B047633	03/12/12
12C0199-27 [0307EMM-14A 0-4]	B047633	03/12/12
12C0199-29 [0307EMM-15A 0-4]	B047633	03/12/12
12C0199-31 [0307EMM-16A 0-4]	B047633	03/12/12
12C0199-33 [0307EMM-17A 0-4]	B047633	03/12/12
12C0199-35 [0307EMM-18A 0-4]	B047633	03/12/12
12C0199-37 [0307EMM-19A 0-4]	B047633	03/12/12
12C0199-39 [0307EMM-20A 0-4]	B047633	03/12/12
12C0199-41 [0307EMM-21A 0-4]	B047633	03/12/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12C0199-43 [0307EMM-22]	B047580	0.518	10.0	03/08/12
12C0199-44 [0307EMM-23]	B047580	0.510	10.0	03/08/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12C0199-45 [0307EMM-24]	B047648	0.517	10.0	03/09/12
12C0199-46 [0307EMM-25]	B047648	0.522	10.0	03/09/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12C0199-47 [0307EMM-26]	B047573	2.00	10.0	03/08/12
12C0199-48 [0307EMM-27]	B047573	2.00	10.0	03/08/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12C0199-25 [0307EMM-13A 0-4]	B047571	10.0	10.0	03/08/12
12C0199-27 [0307EMM-14A 0-4]	B047571	10.1	10.0	03/08/12
12C0199-29 [0307EMM-15A 0-4]	B047571	10.0	10.0	03/08/12
12C0199-31 [0307EMM-16A 0-4]	B047571	10.0	10.0	03/08/12
12C0199-33 [0307EMM-17A 0-4]	B047571	10.1	10.0	03/08/12
12C0199-35 [0307EMM-18A 0-4]	B047571	10.0	10.0	03/08/12
12C0199-37 [0307EMM-19A 0-4]	B047571	10.1	10.0	03/08/12

Sample Extraction Data**Prep Method: SW-846 3540C-SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12C0199-39 [0307EMM-20A 0-4]	B047571	10.0	10.0	03/08/12
12C0199-41 [0307EMM-21A 0-4]	B047571	10.0	10.0	03/08/12

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12C0199-01 [0307EMM-01A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-03 [0307EMM-02A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-05 [0307EMM-03A 0-4]	B047581	10.1	10.0	03/08/12
12C0199-07 [0307EMM-04A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-09 [0307EMM-05A 0-4]	B047581	10.2	10.0	03/08/12
12C0199-11 [0307EMM-06A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-13 [0307EMM-07A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-15 [0307EMM-08A 0-4]	B047581	10.1	10.0	03/08/12
12C0199-17 [0307EMM-09A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-19 [0307EMM-10A 0-4]	B047581	10.2	10.0	03/08/12
12C0199-21 [0307EMM-11A 0-4]	B047581	10.0	10.0	03/08/12
12C0199-23 [0307EMM-12A 0-4]	B047581	10.0	10.0	03/08/12

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B047571 - SW-846 3540C
Blank (B047571-BLK1)

Prepared: 03/08/12 Analyzed: 03/09/12

Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.216		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.187		mg/Kg wet	0.200		93.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.5	30-150			

LCS (B047571-BS1)

Prepared: 03/08/12 Analyzed: 03/09/12

Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		99.7	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	0.225		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.193		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg wet	0.200		97.0	30-150			

LCS Dup (B047571-BSD1)

Prepared: 03/08/12 Analyzed: 03/09/12

Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		102	40-140	0.149	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140	0.977	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		99.4	40-140	0.289	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	0.648	30	
Surrogate: Decachlorobiphenyl	0.218		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.186		mg/Kg wet	0.200		93.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.1	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B047571 - SW-846 3540C
Matrix Spike (B047571-MS1)
Source: 12C0199-25

Prepared: 03/08/12 Analyzed: 03/10/12

Aroclor-1016	0.27	0.13	mg/Kg dry	0.253	0.0	105	40-140			
Aroclor-1016 [2C]	0.27	0.13	mg/Kg dry	0.253	0.0	106	40-140			
Aroclor-1260	0.27	0.13	mg/Kg dry	0.253	0.0	105	40-140			
Aroclor-1260 [2C]	0.29	0.13	mg/Kg dry	0.253	0.0	113	40-140			
Surrogate: Decachlorobiphenyl	0.260		mg/Kg dry	0.253		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.234		mg/Kg dry	0.253		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.239		mg/Kg dry	0.253		94.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.237		mg/Kg dry	0.253		93.8	30-150			

Matrix Spike Dup (B047571-MSD1)
Source: 12C0199-25

Prepared: 03/08/12 Analyzed: 03/10/12

Aroclor-1016	0.27	0.13	mg/Kg dry	0.253	0.0	106	40-140	1.25	50	
Aroclor-1016 [2C]	0.27	0.13	mg/Kg dry	0.253	0.0	106	40-140	0.00472	50	
Aroclor-1260	0.28	0.13	mg/Kg dry	0.253	0.0	111	40-140	5.02	50	
Aroclor-1260 [2C]	0.30	0.13	mg/Kg dry	0.253	0.0	119	40-140	4.99	50	
Surrogate: Decachlorobiphenyl	0.279		mg/Kg dry	0.253		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.251		mg/Kg dry	0.253		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.247		mg/Kg dry	0.253		97.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.245		mg/Kg dry	0.253		96.8	30-150			

Batch B047573 - SW-846 3540C
Blank (B047573-BLK1)

Prepared: 03/08/12 Analyzed: 03/09/12

Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	0.884		mg/Kg	1.00		88.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.773		mg/Kg	1.00		77.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.848		mg/Kg	1.00		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.827		mg/Kg	1.00		82.7	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B047573 - SW-846 3540C
LCS (B047573-BS1)

Prepared: 03/08/12 Analyzed: 03/09/12

Aroclor-1016	0.23	0.10	mg/Kg	0.250		91.5	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		95.9	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		90.5	40-140			
Surrogate: Decachlorobiphenyl	0.916		mg/Kg	1.00		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.783		mg/Kg	1.00		78.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.861		mg/Kg	1.00		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.850		mg/Kg	1.00		85.0	30-150			

LCS Dup (B047573-BSD1)

Prepared: 03/08/12 Analyzed: 03/09/12

Aroclor-1016	0.23	0.10	mg/Kg	0.250		90.3	40-140	1.30	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		96.6	40-140	0.788	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		104	40-140	0.355	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		90.2	40-140	0.350	30	
Surrogate: Decachlorobiphenyl	0.932		mg/Kg	1.00		93.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.796		mg/Kg	1.00		79.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.863		mg/Kg	1.00		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.851		mg/Kg	1.00		85.1	30-150			

Batch B047580 - SW-846 3540C
Blank (B047580-BLK1)

Prepared: 03/08/12 Analyzed: 03/12/12

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.91		mg/Kg	4.00		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.43		mg/Kg	4.00		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	3.54		mg/Kg	4.00		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.47		mg/Kg	4.00		86.7	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B047580 - SW-846 3540C
LCS (B047580-BS1)

Prepared: 03/08/12 Analyzed: 03/12/12

Aroclor-1016	4.0	0.20	mg/Kg	4.00		99.4	40-140			
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		87.1	40-140			
Aroclor-1260	4.0	0.20	mg/Kg	4.00		101	40-140			
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		86.1	40-140			
Surrogate: Decachlorobiphenyl	4.08		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.58		mg/Kg	4.00		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	3.66		mg/Kg	4.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.58		mg/Kg	4.00		89.5	30-150			

LCS Dup (B047580-BSD1)

Prepared: 03/08/12 Analyzed: 03/12/12

Aroclor-1016	3.7	0.20	mg/Kg	4.00		93.3	40-140	6.27	30	
Aroclor-1016 [2C]	3.5	0.20	mg/Kg	4.00		86.4	40-140	0.789	30	
Aroclor-1260	4.0	0.20	mg/Kg	4.00		100	40-140	0.643	30	
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		85.4	40-140	0.825	30	
Surrogate: Decachlorobiphenyl	3.92		mg/Kg	4.00		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.44		mg/Kg	4.00		86.0	30-150			
Surrogate: Tetrachloro-m-xylene	3.50		mg/Kg	4.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.42		mg/Kg	4.00		85.5	30-150			

Batch B047581 - SW-846 3540C
Blank (B047581-BLK1)

Prepared: 03/08/12 Analyzed: 03/10/12

Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.205		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg wet	0.200		100	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B047581 - SW-846 3540C
LCS (B047581-BS1)

Prepared: 03/08/12 Analyzed: 03/10/12

Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1260	0.24	0.10	mg/Kg wet	0.200		118	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Surrogate: Decachlorobiphenyl	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.187		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.199		mg/Kg wet	0.200		99.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.194		mg/Kg wet	0.200		97.1	30-150			

LCS Dup (B047581-BS1)

Prepared: 03/08/12 Analyzed: 03/10/12

Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		109	40-140	2.39	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	4.90	30	
Aroclor-1260	0.24	0.10	mg/Kg wet	0.200		122	40-140	3.01	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	4.33	30	
Surrogate: Decachlorobiphenyl	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.188		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.197		mg/Kg wet	0.200		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.1	30-150			

Matrix Spike (B047581-MS1)

Source: 12C0199-01

Prepared: 03/08/12 Analyzed: 03/11/12

Aroclor-1016	0.30	0.13	mg/Kg dry	0.268	0.0	113	40-140			
Aroclor-1016 [2C]	0.26	0.13	mg/Kg dry	0.268	0.0	97.8	40-140			
Aroclor-1260	0.30	0.13	mg/Kg dry	0.268	0.0	111	40-140			
Aroclor-1260 [2C]	0.27	0.13	mg/Kg dry	0.268	0.0	102	40-140			
Surrogate: Decachlorobiphenyl	0.259		mg/Kg dry	0.268		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.217		mg/Kg dry	0.268		80.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.227		mg/Kg dry	0.268		84.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.214		mg/Kg dry	0.268		79.6	30-150			

Matrix Spike Dup (B047581-MSD1)

Source: 12C0199-01

Prepared: 03/08/12 Analyzed: 03/11/12

Aroclor-1016	0.32	0.13	mg/Kg dry	0.268	0.0	118	40-140	4.09	50	
Aroclor-1016 [2C]	0.27	0.13	mg/Kg dry	0.268	0.0	100	40-140	2.58	50	
Aroclor-1260	0.33	0.13	mg/Kg dry	0.268	0.0	122	40-140	9.38	50	
Aroclor-1260 [2C]	0.29	0.13	mg/Kg dry	0.268	0.0	109	40-140	6.63	50	
Surrogate: Decachlorobiphenyl	0.308		mg/Kg dry	0.268		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.246		mg/Kg dry	0.268		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.253		mg/Kg dry	0.268		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.238		mg/Kg dry	0.268		88.8	30-150			

Batch B047648 - SW-846 3540C
Blank (B047648-BLK1)

Prepared: 03/09/12 Analyzed: 03/12/12

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							

QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B047648 - SW-846 3540C										
Blank (B047648-BLK1)										
					Prepared: 03/09/12 Analyzed: 03/12/12					
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	3.81		mg/Kg	4.00		95.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.27		mg/Kg	4.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	3.40		mg/Kg	4.00		84.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.28		mg/Kg	4.00		82.1	30-150			
LCS (B047648-BS1)										
					Prepared: 03/09/12 Analyzed: 03/12/12					
Aroclor-1016	3.9	0.20	mg/Kg	4.00		97.8	40-140			
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		83.3	40-140			
Aroclor-1260	3.8	0.20	mg/Kg	4.00		96.2	40-140			
Aroclor-1260 [2C]	3.2	0.20	mg/Kg	4.00		81.1	40-140			
Surrogate: Decachlorobiphenyl	4.10		mg/Kg	4.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.49		mg/Kg	4.00		87.3	30-150			
Surrogate: Tetrachloro-m-xylene	3.61		mg/Kg	4.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.48		mg/Kg	4.00		87.1	30-150			
LCS Dup (B047648-BSD1)										
					Prepared: 03/09/12 Analyzed: 03/12/12					
Aroclor-1016	4.1	0.20	mg/Kg	4.00		102	40-140	4.26	30	
Aroclor-1016 [2C]	3.7	0.20	mg/Kg	4.00		92.2	40-140	10.1	30	
Aroclor-1260	4.2	0.20	mg/Kg	4.00		105	40-140	8.59	30	
Aroclor-1260 [2C]	3.6	0.20	mg/Kg	4.00		89.5	40-140	9.79	30	
Surrogate: Decachlorobiphenyl	4.19		mg/Kg	4.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.57		mg/Kg	4.00		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	3.89		mg/Kg	4.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.75		mg/Kg	4.00		93.7	30-150			

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B047633 - % Solids

Duplicate (B047633-DUP1)

Source: 12C0199-01

Prepared & Analyzed: 03/12/12

% Solids	77.1		% Wt		74.5			3.43	20	
----------	------	--	------	--	------	--	--	------	----	--

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

12/20/19

- ☒ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richard Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0317

PROJECT NAME

Plant #5.

PROJECT LOCATION

Mendon, CT

PROJECT NUMBER

2011127.A1E

LABORATORY

Can-Test

REPORT TO:

Karen Redfield

INVOICE TO:

P.O. NO.:

Sampler's Signature:

[Signature]

Date: 3-7-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Portable Water
T=Treatment Facility

S=Soil
B=Sediment

W=Waste
A=Air

X=Other

Analysis Request

PCB's, Metals, Pesticides

Containers

- Soil VOA Vial, [] methanol [] Na₂(SO₄)₂
- Soil VOA Vial, [] water []
- Glass Soil Container () oz
- Glass Soil Container () oz
- Other:
- Water VOA Vial, [] As is [] HCl [] H₂SO₄
- Glass Amber () ml, [] As is [] 250 ml [] 500 ml [] 1000 ml
- Plastic - As is, [] 250 ml [] 500 ml [] 1000 ml
- Plastic - H₂SO₄, [] 250 ml [] 500 ml [] 1000 ml
- Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered
- Plastic - NaOH, 250 ml

Comments

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
01		03073EMW						
02		01A perimeter	0-4"	Soil	3-7-12	9 a.m.		Area 1
03		01B	4-8"					
04		02A	0-4"					Area 2
05		02B	4-8"					
06		03A	0-4"					Area 3
07		03B	4-8"					
08		04A	0-4"					
09		04B	4-8"					
10		05A	0-4"					
		05B	4-8"					

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

* Hold "B" samples



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

12CO199

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0318

Turnaround

- ☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

LABORATORY

Can-Test

PROJECT NUMBER

20111123.01E

PROJECT LOCATION

Plot #5, Mendon, CT

REPORT TO:

Karen Redfield

INVOICE TO:

P.O. No.:

Sampler's Signature:

Date: 3-7-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Portable Water
T=Treatment Facility

S=Soil
B=Seiment
W=Waste
A=Air

X=Other

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
11		030325mm	Soil	3-7-12	am	✓		Area 3
12		024 per water	0-y"			✓		
13		024	0-y"			✓		
14		024	0-y"			✓		
15		024	0-y"			✓		
16		024	0-y"			✓		
17		024	0-y"			✓		
18		024	0-y"			✓		
19		024	0-y"			✓		
20		024	0-y"			✓		

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1					
2					
3					
4					

Additional Comments:

* Hold "B" samples



FUSS & O'NEILL ENVIRONMENTAL, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

12C0199

- ☒ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0319

Turnaround
☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☒ 2 Days* Standard (5 days) *Surcharge Applies

PROJECT NAME

Plant H.S., Kannon Redfield

PROJECT LOCATION

Meriden, CT

PROJECT NUMBER

2011127.A1E

LABORATORY

Can-Test

REPORT TO:

INVOICE TO:

P.O. NO.:

Sampler's Signature:

[Signature]

Date: 3-7-12

Source Codes:

MW=Monitoring Well
 SW=Surface Water

PV=Porable Water
 T=Treatment Facility

S=Soil
 B=Bottom

W=Waste
 A=Air

X=Other

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
21		11A powder 0-y" y-8"	Soil	3-7-12	9am	PCBs, Sediment, Metals	Soil VOA Vial, [] methanol [] Na ₂ (SO ₄) ₂ Glass Soil Container () oz Glass Soil Container () oz Other: Water VOA Vial, [] As is [] HCl Plastic - As is, [] 250 ml [] 500 [] 1000 ml Plastic - H ₂ SO ₄ , [] 250 ml [] 500 ml Plastic - HNO ₃ , 250 ml [] Filtered [] Unfiltered Plastic - NaOH, 250 ml	Area 4
22		11B powder 0-y" y-8"	Soil	3-7-12	9am			Area 4
23		12A 0-y" y-8"						Area 5
24		12B 0-y" y-8"						
25		13A 0-y" y-8"						
26		13B 0-y" y-8"						
27		14A 0-y" y-8"						
28		14B 0-y" y-8"						
29		15A 0-y" y-8"						
30		15B 0-y" y-8"						

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

* Hold "B" samples



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

12C0199

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0322

Turnaround

- ☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME

Plant H.S.

PROJECT LOCATION

Windsor, CT

PROJECT NUMBER

2011127, AIE

LABORATORY

Can-Test

REPORT TO:

Karen Redfield

INVOICE TO:

P.O. No.:

Sample's Signature:

[Signature]

Date: 3-7-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Potable Water
T=Treatment Facility

S=Soil

W=Waste
A=Air

X=Other

Analysis Request

PCB's, Heavy Metals

Containers

- Soil VOA Vial, [] methanol [] Na₂(SO₄)₂
Soil VOA Vial, [] water []
Glass Soil Container () oz
Glass Soil Container () oz
Other:
Water VOA Vial, [] As is [] HCl
Glass Amber () ml, [] As is [] H₂SO₄
Plastic - As is, [] 250 ml [] 500 [] 1000 ml
Plastic - H₂SO₄, [] 250 ml [] 500 ml
Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered
Plastic - NaOH, 250 ml

Comments

Area 7

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
41		03032mm	Soil	3-7-12	9am
42		21A perimeter 0-4" 21B 4-41"	↓	↓	↓

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	[Signature]	[Signature]	3/8/12	8:15	Additional Comments: Hdd all "B" samples
2	[Signature]	[Signature]	3/8/12	11:34	
3					
4					



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver

(860) 646-2469 • www.FandO.com

12CO199

- ☒ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richland Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 0323

Turnaround

- ☐ 1 Day*
- ☐ 2 Days*
- ☒ 3 Days*
- ☐ Standard (5 days)
- ☐ Other _____ (days)
- ☐ Surcharge Applies

PROJECT NAME

Plant H.S.

PROJECT LOCATION

Mendeny, CT

PROJECT NUMBER

2011123, A/E

LABORATORY

Con-Test

REPORT TO:

Karen Redfield

Analysis Request

Containers

INVOICE TO:

P.O. No.:

Sampler's Signature:

[Signature]

Date: 3-7-12

Source Codes:

MW=Monitoring Well PW=Perable Water S=Soil
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other

Bolt

PAS-Met-Test

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
1	2	3	4		

43 0303 EMM - 22 - Tanker CMU 5' with Bolt 3-7-12 pm

44 23 - slight glare and 24 - not drain flashing

45 25 - Tanker ruled sheet not 26 vent flashing

46 27 vent flashing

47

48

Clean so RL is <1 ppm - Resampled for additional cleaning.

Comments

1968

1956

1956

1956

1956

1968

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

Sample #23 - Reference to 0106EMM-01P

#24 - " 0106EMM-06P

#25 - " 0106EMM-02P

#26 " 0106EMM-01P

#27 " 0106EMM-06P

#28 " 0106EMM-02P

#29 " 0106EMM-01P

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fussione RECEIVED BY: CEC DATE: 3/8/12

1) Was the chain(s) of custody relinquished and signed?

Yes No No CoC Included

2) Does the chain agree with the samples?

Yes No

If not, explain:

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.0

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>48</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A _____

Doc# 277

Do all samples have the proper Base pH: Yes No N/A _____

Rev. 1 Page 70 of 70

Appendix D

Technical Specification Section

SECTION 020850 – PCB-CONTAINING MATERIAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 specification sections, apply to this section.
- B. Reference is made to the Self-Implementing On-Site Cleanup and Disposal Plan for PCB Caulking Removal as prepared by Fuss & O'Neill, EnviroScience, LLC.
- C. Related Specification sections include Asbestos Abatement section 028213 and drawings HM-01 thru HM-07.

1.2 CONSULTANT

- A. The City of Meriden has retained Fuss & O'Neill EnviroScience, LLC (EnviroScience) as the Consultant for the purposes of construction administration and project monitoring during Hazardous Materials Abatement. The Consultant will represent the Owner in all phases of the abatement project at the discretion of the Owner. The Hazardous Materials Abatement Contractor shall regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly but not limited to approval of work areas, review of monitoring results, completion of the various segments of work, final completion of the abatement, submission of data, and daily field punch list items.

1.3 USE OF THE CONTRACT DOCUMENTS

- A. It shall be incumbent upon the Hazardous Materials Abatement Contractor to visit the Site and determine what exists, its condition, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Hazardous Materials Abatement Contractor's failure to visit the site and understand the existing conditions.
- B. All work shall comply with applicable Codes, laws, regulations, and ordinances wherever applicable. The most stringent of all the foregoing shall govern.
- C. It is not intended that the Specifications show every detail of the Work, but the Hazardous Materials Abatement Contractor shall be required to furnish within the Contract Sum all material and labor necessary for the completion of the Work in accordance with the intent of the Specifications.
- D. In case of ambiguity among the Contract documents, the more stringent requirement as determined by the Consultant shall prevail.
- E. The Work of this Contract includes making modifications as necessary, subject to approval by Owner in consultation with the Consultant, to correct any conflicts.
- F. All items, not specifically mentioned in the Specifications but implied by trade practices to complete the work, shall be included.

1.4 EXAMINATION OF THE SITE

- A. It is understood that the Hazardous Materials Abatement Contractor has examined the Site and made his/her own estimates of the facilities and difficulties attending the execution of the Work, and has based his price thereon.
- B. Except for unforeseeable concealed conditions as determined by the Consultant, the Hazardous Materials Abatement Contractor shall make no claim for additional cost due to the existing conditions at the site.

1.5 CONTRACTOR QUALIFICATIONS

- A. All bidders shall submit a record of prior experience in hazardous materials abatement projects, specifically including removal of PCB-containing materials listing no less than three (3) completed jobs in the past year, with all projects being of similar size and scope. The Hazardous Materials Abatement Contractor shall list the experience and training of the project foremen and all on-site personnel. The information that should be included is as follows:
 - 1. Project Name and Address
 - 2. Owner's Name and Address
 - 3. Architect/Consultant
 - 4. Contract Amount
 - 5. Date of Completion
 - 6. Extras and Changes
- B. Submit a written statement regarding whether the Hazardous Materials Abatement Contractor has ever been found out-of-compliance with federal or state regulations pertaining to worker protection, removal, transport, or disposal.

1.6 TESTING LABORATORY SERVICES

- A. The Hazardous Materials Abatement Contractor shall submit to the Consultant the name; address and qualifications of proposed laboratories intended to be utilized for sample analysis as required by this section.

1.7 ADDITIONAL GENERAL REQUIREMENTS

- A. The Hazardous Materials Abatement Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, notifications, permits, licenses, certifications, agreements, and incidentals necessary to perform the specified work. Work shall be performed in accordance with the contract documents, the latest regulations from the Occupational Safety and Health Administration (OSHA), the United States Environmental Protection Agency (USEPA), and all other applicable federal, state, and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.
- B. All project personnel engaged in the work covered under this section shall be trained in accordance with OSHA Regulations 29 CFR 1910.1000 and 29 CFR 1910.1200. It should also be noted that work associated with PCB removal may also involve exposure

during demolition and removal activities specified herein and the Hazardous Materials Abatement Contractor shall perform required exposure assessment for PCBs.

- C. The Hazardous Materials Abatement Contractor shall provide a Project Health and Safety Officer having a minimum of eight (8) hours of supervisor training in hazardous waste site operations in accordance with the requirements of 29 CFR 1910. The supervisor must be on site at all times during abatement work.
- D. This section specifies the procedures for removal of existing materials containing polychlorinated biphenyls (PCBs) less than ($<$) 50 parts per million (ppm) in the form of exterior window caulk (1968), exterior door caulk (1968), Interior window caulk (1968), black sink basin caulk (1968/1956), Blind flashing (1956), Interior expansion joint (1956/1968), mastic associated with cork under gymnasium wood floors (1968), Black tar vapor barrier under gymnasium floor (1968), Black vapor barrier under gymnasium wood floor (1956), caulking associated with exhaust vent (1956/1968) and disposal of removed materials as PCB-Bulk Product Waste.
- E. This section specifies the procedures for removal of existing materials containing polychlorinated biphenyls (PCBs) \geq 50 parts per million (ppm) in the form of Exterior window caulk- (1956), and Shellac/Varnish associated with the exercise gym wood floor (1968), and Interior slate window sill caulk (1968)
- F. Disturbance or removal of polychlorinated biphenyls (PCB) containing materials may cause a health hazard to workers and building occupants. The Hazardous Materials Abatement Contractor shall disclose to all of his workers, supervisory personnel, subcontractors, and consultants who will be at the job site of the seriousness of the hazard and of proper work procedures which must be followed.
- G. Where in the performance of the work, workers, supervisory personnel, subcontractors, or consultants may encounter, disturb, or otherwise function in the immediate vicinity of polychlorinated biphenyls (PCB) containing materials, appropriate, continuous measures as necessary to protect all workers from the hazard of exposure shall be taken. Such measures shall include the procedures and methods described herein, regulations of the U.S. Occupational Safety and Health Administration (OSHA), U.S. Environmental Protection Agency (USEPA), and local requirements as applicable.
- H. The Hazardous Materials Abatement Contractor shall employ a Competent Person (Supervisor) with at least three (3) years' experience on projects of similar scope and magnitude who shall be responsible for all work involving hazardous materials abatement as described in the specifications and defined in applicable regulations, and have full time daily supervision of the same. The Supervisor shall be the Competent Person as defined by OSHA regulations and have experience in the proper removal and disposal of PCB-containing materials.
- I. The Hazardous Materials Abatement Contractor shall allow the work of this contract to be inspected, if required, by local, state, federal, and any other authorities having jurisdiction over such work. The Hazardous Materials Abatement Contractor shall immediately notify the Owner and Consultant and shall maintain written evidence of such inspection for review by the Owner and Consultant.

- J. The Hazardous Materials Abatement Contractor shall incur the cost of all fines resulting from regulatory non-compliance as issued by federal, state, and local agencies. The Hazardous Materials Abatement Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance or negligence.
- K. The Hazardous Materials Abatement Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.
- L. The Hazardous Materials Abatement Contractor shall provide enough labor to guarantee completion of the work within the time frame given and within the normal operating vacation/Winter break hours of the school building.

1.8 SCOPE OF WORK

- A. Project Scope Locations and Work Statement: The project site is located at the Orville H. Platt High School, 220 Coe Avenue, Meriden, CT. Locations of work are also detailed on drawings HM-01-HM-07. The proposed removal and disposal activities to be performed by Remediation Contractor shall include the following:
 - 1. Site preparation and controls to facilitate remediation of PCBs. Containment procedures referenced for the abatement zone must be utilized for PCB Bulk Product Waste removal.
 - 2. Additionally, work involving the removal of PCB contaminated soil for disposal as Bulk PCB Remediation Waste if applicable.
 - 3. Remove existing interior and exterior window caulking, exterior window glazing compound(s), at all masonry window openings, and shellac/varnish associated with exercise gym wood floor (includes wood) for disposal as PCB Bulk Product Waste ≥ 50 ppm.
 - 4. Removal and off-site disposal of non-porous metal window and door assemblies including glass, PCB containing glazing compounds, panels, insulation etc. from all locations identified as PCB Bulk Product Waste ≥ 50 ppm. Non-porous surfaces (exterior steel beam/lintel) shall be cleaned to standard of $\leq 1 \mu\text{g}/100 \text{ cm}^2$.
 - 5. Removal of existing materials containing polychlorinated biphenyls (PCBs) less than ($<$) 50 parts per million (ppm) in the form of exterior window caulk (1968), exterior door caulk (1968), Interior window caulk (1968), Interior slate window sill caulk (1968), black sink basin caulk (1968/1956), Blind flashing (1956), Interior expansion joint (1956/1968), mastic associated with cork under gymnasium wood floors (1968), Black tar vapor barrier under gymnasium floor (1968), Black vapor barrier under gymnasium wood floor (1956), caulking associated with exhaust vent (1956/1968) and disposal of removed materials as PCB-Containing Waste < 50 ppm.
 - 6. Health and Safety in accordance with Occupation Safety and Health Administration (OSHA) requirements.
 - 7. Recordkeeping and distribution as required in accordance with 40 CFR part 761.125 (c) (5).

- B. PCB concentrations in excess of 50 mg/Kg (parts-per-million) of PCBs were detected in the following materials/locations:
1. Exterior window caulk – (1956)
 2. Shellac associated with gymnasium (Auxiliary Gym) wood floor (1968)
 3. Interior slate window sill caulk (1968)
- C. The following materials/locations contained greater than 1 mg/kg PCBs but less than 50 mg/kg PCBs and will be impacted by the planned demolitions:
1. Exterior window caulk at sash (1956)
 2. Exterior window glazing compound (1956)
 3. Exterior door caulk – adj. garage (1968)
 4. Exterior window caulk – Cafeteria wing (1968)
 5. Interior window caulk – (1956)
 6. Interior window caulk – (1968)
 7. Black sink basin caulk – (1956)
 8. Black sink basin caulk – (1968)
 9. Blind flashing – (1956)
 10. Blind flashing – (1968)
 11. Interior expansion CMU-Wall joint caulk (1956/1968)
 12. Mastic associated with cork under gymnasium wood floor (1968)
 13. Black tar vapor barrier under gymnasium wood/cork floor (1968)
 14. Black vapor barrier under gymnasium wood floor (1956)
 15. Roof-Caulk associated with exhaust vent (1956/1968)
- D. As a result, the Connecticut Department of Energy and Environmental Protection (DEEP) will require the waste to be handled as a PCB waste under State regulations (22a-463 through 22a-469). CTDEEP will also be notified via separate letter.

1.9 DEFINITIONS

- A. The following definitions as used within this technical specification as well as references to specific sections of the Code of Federal Regulation section 40 CFR Part 761 are provided. Definitions are extracted in part from 40 CFR Part 761.3; for full definitions refer to the specified section of the regulations:
1. Bulk PCB Remediation Waste means waste containing PCBs as a result of a spill, release, or other unauthorized disposal, at the following concentrations: Materials disposed of prior to April 18, 1978 that are currently at concentrations of ≥ 50 ppm PCBs, regardless of the concentration of the original spill; materials which are currently at any volume or concentration where the original source was ≥ 500 ppm PCBs beginning on April 18, 1978, or ≥ 50 ppm PCBs beginning on July 2, 1979; and materials which are currently at any concentration if the PCBs are spilled or released from a source not authorized for use under this part. PCB remediation waste means soil, rags, and other debris generated as a result of any PCB spill clean-up, as further defined in 40 CFR §761.3.

2. CERCLA means the Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. 9601-9657).
3. Chemical waste landfill means a landfill at which protection against risk of injury to health or the environment from migration of PCBs to land, water, or the atmosphere is provided from PCBs and PCB items deposited therein by locating, engineering, and operating the landfill as specified in §761.75.
4. Cleanup Site means the areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of a clean-up of PCB remediation waste, regardless of whether the site was intended for management of waste.
5. Containment means the enclosure within the building which establishes a contaminated area and surrounds the location where PCB and/or other toxic or hazardous substance removal is taking place and establishes a Control Work Area.
6. Designated Facility means the off-site disposer or commercial storer of PCB waste designated on the manifest as the facility that will receive a manifested shipment of PCB waste.
7. Disposals means intentionally or accidentally to discard, throw away, or otherwise complete or terminate the useful life of PCBs and PCB items; Disposal includes spills, leaks, and other uncontrolled discharges of PCBs as well as actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB items.
8. DOT means the United States Department of Transportation.
9. EPA identification number means the 12-digit number assigned to a facility by the EPA upon notification of PCB waste activity under §761.205.
10. Excluded PCB products means PCB materials which appear at concentrations less than 50 ppm as defined in 40 CFR §761.3.
11. Fixed Object means mechanical equipment, electrical equipment, fire detection systems, alarms, and all other fixed equipment, fixtures, or other items which cannot be removed from the work area.
12. Generator of PCB waste means any person whose act or process produces PCBs that are regulated for disposal under subpart D of 40 CFR Part 761, or whose act first causes PCBs or PCB Items to become subject to the disposal requirements of subpart D, or who has physical control over the PCBs when a decision is made that the use of the PCBs has been terminated and therefore is subject to the disposal requirements of subpart D. Unless another provision of 40 CFR Part 761 specifically requires a site-specific meaning, "generator of PCB waste" includes all of the sites of PCB waste generation owned or operated by the person who generates PCB waste.
13. HEPA: High Efficiency Particulate Air filtration efficiency of 99.97 percent down to 0.3 microns. Filtration provided on specialized vacuums and air filtration devices to trap particles.
14. High occupancy area means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste. Examples could include a residence, school, day care center, sleeping quarters, a single or multiple occupancy 40 hours per week work station, a school classroom, a cafeteria in an industrial facility, a control room, and a work station at an assembly line.

15. Incinerator means an engineered device using controlled flame combustion to thermally degrade PCBs and PCB Items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high temperature boilers.
16. Laboratory means a facility that analyzes samples for PCBs and is unaffiliated with any entity whose activities involve PCBs.
17. Liquid PCBs means a homogenous flowable material containing PCBs and no more than 0.5 percent by weight non-dissolved material.
18. Low occupancy area means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste. Examples could include an electrical substation or a location in an industrial facility where a worker spends small amounts of time per week (such as an unoccupied area outside a building, an electrical equipment vault, or in the non-office space in a warehouse where occupancy is transitory).
19. Manifest means the shipping document EPA form 8700–22 and any continuation sheet attached to EPA form 8700–22, originated and signed by the generator of PCB waste in accordance with the instructions included with the form and subpart K of this part.
20. Mark means the descriptive name, instructions, cautions, or other information applied to PCBs and PCB Items, or other objects subject to these regulations.
21. Marked means the marking of PCB Items and PCB storage areas and transport vehicles by means of applying a legible mark by painting, fixation of an adhesive label, or by any other method that meets the requirements of these regulations.
22. Municipal solid wastes means garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and non-industrial operations and activities, such as household activities, office functions, and commercial housekeeping wastes.
23. Non-liquid PCBs means materials containing PCBs that by visual inspection do not flow at room temperature (25°C or 77°F) or from which no liquid passes when a 100 g or 100 ml representative sample is placed in a mesh number 60 \pm 5 percent paint filter and allowed to drain at room temperature for 5 minutes.
24. Non-porous surface means a smooth, unpainted solid surface that limits penetration of liquid containing PCBs beyond the immediate surface. Examples are: smooth un-corroded metal; natural gas pipe with a thin porous coating originally applied to inhibit corrosion; smooth glass; smooth glazed ceramics; impermeable polished building stone such as marble or granite; and high density plastics, such as polycarbonates and melamines, which do not absorb organic solvents.
25. On site means within the boundaries of a contiguous property unit.
26. PCB and PCBs means any chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contains such substance. Refer to §761.1(b) for applicable concentrations of PCBs. PCB and PCBs as contained in PCB items are defined in §761.3. For any purposes under this part, inadvertently generated non-Aroclor PCBs are defined as the total PCBs calculated following division of the quantity of mono-chlorinated biphenyls by 50 and di-chlorinated biphenyls by 5.
27. PCB Article means any manufactured article, other than a PCB Container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. “PCB

- Article” includes capacitors, transformers, electric motors, pumps, pipes and any other manufactured item (1) which is formed to a specific shape or design during manufacture, (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) which has either no change of chemical composition during its end use or only those changes of composition which have no commercial purpose separate from that of the PCB Article.
28. PCB Article Container means any package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB Articles or PCB Equipment, and whose surface(s) has not been in direct contact with PCBs.
29. PCB Bulk Product Waste means waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal is ≥ 50 ppm PCBs. PCB bulk product waste does not include PCBs or PCB Items regulated for disposal under §761.60(a) through (c), §761.61, §761.63, or §761.64. PCB bulk product waste is further defined in 40 CFR §761.3.
30. PCB Capacitor means any capacitor that contains ≥ 500 ppm PCB. Concentration assumptions applicable to capacitors appear under §761.2.
31. PCB Container means any package, can, bottle, bag, barrel, drum, tank, or other device that contains PCBs or PCB Articles and whose surface(s) has been in direct contact with PCBs.
32. PCB-Contaminated means a non-liquid material containing PCBs at concentrations ≥ 50 ppm but < 500 ppm; a liquid material containing PCBs at concentrations ≥ 50 ppm but < 500 ppm or where insufficient liquid material is available for analysis, a non-porous surface having a surface concentration $> 10 \mu\text{g}/100 \text{ cm}^2$ but $< 100 \mu\text{g}/100 \text{ cm}^2$, measured by a standard wipe test as defined in §761.123.
33. PCB Equipment means any manufactured item, other than a PCB Container or a PCB Article Container, which contains a PCB Article or other PCB Equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts and fixtures.
34. PCB Item means any PCB Article, PCB Article Container, PCB Container, PCB Equipment, or anything that deliberately or unintentionally contains or has as a part of it any PCB or PCBs.
35. PCB waste(s) means those PCBs and PCB Items that are subject to the disposal requirements of subpart D in 40 CFR Part 761.
36. Porous surface means any surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal; corroded metal; fibrous glass or glass wool; unglazed ceramics; ceramics with a porous glaze; porous building stone such as sandstone, travertine, limestone, or coral rock; low-density plastics such as Styrofoam and low-density polyethylene; coated (varnished or painted) or uncoated wood; concrete or cement; plaster; plasterboard; wallboard; rubber; fiberboard; chipboard; asphalt; or tar paper. For purposes of cleaning and disposing of PCB remediation waste, porous surfaces have different requirements than non-porous surfaces.
37. RCRA means the Resource Conservation and Recovery Act (40 U.S.C. 6901 et seq.).
38. Standard wipe sample means a sample collected for chemical extraction and analysis using the standard wipe test as defined in §761.123. Except as designated elsewhere in part 761, the minimum surface area to be sampled shall be 100 cm^2 .

39. Storage for disposal means temporary storage of PCBs that have been designated for disposal.
40. SW-846 means the document having the title "SW-846, Test Methods for Evaluating Solid Waste,"
41. Totally enclosed manner means any manner that will ensure no exposure of human beings or the environment to any concentration of PCBs.
42. Transfer facility means any transportation-related facility including loading docks, parking areas, and other similar areas where shipments of PCB waste are held during the normal course of transportation. Transport vehicles are not transfer facilities under this definition, unless they are used for the storage of PCB waste, rather than for actual transport activities. Storage areas for PCB waste at transfer facilities are subject to the storage facility standards of §761.65, but such storage areas are exempt from the approval requirements of §761.65(d) and the recordkeeping requirements of §761.180, unless the same PCB waste is stored there for a period of more than 10 consecutive days between destinations.
43. Transporter of PCB waste means, for the purposes of subpart K of 40 CFR Part 761, any person engaged in the transportation of regulated PCB waste by air, rail, highway, or water for purposes other than consolidation by a generator.
44. Transport vehicle means a motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle.
45. TSCA means the Toxic Substances Control Act (15 U.S.C. 2601 et seq.).

1.10 SUBMITTALS

- A. The following documents shall be submitted immediately upon project award to the Owner prior to commencement of PCB Removal work:
 1. Site Specific Health and Safety Plan (HASP): The Remediation Contractor shall prepare a site specific HASP plan for protection of workers and control of the work site in accordance with OSHA regulatory requirements. The HASP shall govern all work conducted at the site during the abatement of PCB Paint and related debris; waste handling, sampling, waste management; and waste transportation. At a minimum, the HASP shall address the requirements set forth in 29 CFR 1910.120, as further outlined below:
 - a. Health and Safety Organization
 - b. Site Description and Hazard Assessment
 - c. Training
 - d. Medical Surveillance
 - e. Work Areas
 - f. Personal Protective Equipment
 - g. Personal Hygiene and Decontamination
 - h. Standard Operating Procedures and Engineering Controls
 - i. Emergency Equipment and First Aid Provisions
 - j. Equipment Decontamination
 - k. Air Monitoring
 - l. Telephone List
 - m. Emergency Response and Evacuation Procedures and Routes
 - n. Site Control
 - o. Permit-Required Confined Space Procedures
 - p. Spill prevention and Containment Plan

- q. Heat and Cold Stress
 - r. Record Keeping
 - s. Community Protection Plan
 - 2. Training Documentation: Documentation of OSHA 40-Hour HAZWOPER Training for all employees and subcontractors to be used for the abatement work, and 8-Hour HAZWOPER Supervisor Training for the designated on-site Health and Safety Officer for the abatement work.
 - 3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Remediation Contractor's plan for transportation and disposal of PCB-containing or other Toxic or Hazardous Substance wastes generated during the project. The Disposal Plan shall identify:
 - a. Waste packaging, labeling, placarding, and manifesting procedures.
 - b. The name, address, and 24-hour contact number for the proposed treatment or disposal facility or facilities to which waste generated during the project will be transported.
 - c. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA identification number for firms that will transport waste.
 - d. The license plate numbers of vehicles to be used in transporting of the waste from the site to the disposal facility.
 - e. The route(s) by which the waste will be transported to the designated disposal facility, and states or territories through which the waste will pass.
 - 4. Material Safety Data Sheets: Material Safety Data Sheets (OSHA Form 174 or equivalent) and manufacturer's information shall be provided for all chemicals and materials to be used during the project including but not limited to specialty cleaners and chemical stripping products.
- B. The following documents shall be submitted to the Owner within fifteen (15) work days following removal of waste from the site:
- 1. Waste Profile Sheets
 - 2. Pre-Disposal Analysis Test Results (If required by disposal facility)
 - 3. Manifests signed by the disposal facility
 - 4. Tipping Receipts provided by the disposal facility
 - 5. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.
- C. PCB Work Closeout Submittals:
- 1. Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing the PCB-containing or other Toxic or Hazardous Substances materials have been properly disposed.
- D. Product Data: Catalog sheets, specifications, and application instructions for any removal products, if used.

1.11 REGULATIONS AND STANDARDS

- A. The Hazardous Materials Abatement Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance

with all federal, state, and local regulations and guidelines pertaining to hazardous materials abatement. Specifically, The Hazardous Materials Abatement Contractor shall comply with the requirements of the following:

1. Toxic Substance Control Act (TSCA) (40 CFR Part 761).
2. Comprehensive Environmental Response, Compensation, and Liability Act (Superfund Law).
3. Department of Transportation (DOT) regulations - DOT regulation HM-181 regulates transportation of hazardous materials, including PCBs.
4. Occupational Safety and Health Administration (OSHA) - OSHA regulates workers' safety and exposure to a variety of chemicals including PCBs.
5. Connecticut Basic Building Code (BOCA) (including Connecticut Supplements);
6. Life Safety Code (NFPA); and
7. Local health and safety codes, ordinances or regulations pertaining to hazardous materials remediation and all national codes and standards including ASTM, ANSI, and Underwriter's Laboratories.

1.12 FINAL VISUAL CLEARANCE

- A. Following the completion of the work, the Consultant shall perform a visual inspection inside the work area per guidelines and State of Connecticut DEEP regulations.

1.13 POSTING AND RECORD MAINTENANCE REQUIREMENTS

- A. The following items shall be conspicuously displayed proximate but outside of abatement work areas.
 1. Exit Routes -Emergency exit procedures and routes
 2. Emergency Phone Numbers - A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department; the local police department; the Poison Control Center; Chemical Emergency Advise (CHEMTREC); the local Department of Health's local office; the Remediation Contractor (on-site and after hours numbers); and the environmental consultant (on-site and after hours numbers).
 3. Warning Signs - Warning signs shall be in English and the language of any workers onsite who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with 29 CFR 1910.1200:

**WARNING
HAZARDOUS WASTE WORK AREA
PCBs-POISON
NO SMOKING, EATING OR DRINKING
AUTHORIZED PERSONNEL ONLY
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA**

4. In addition, all entrances to work areas shall be posted with a PCB ML marker.
- B. The Hazardous Materials Abatement Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:
 1. Contractor's Project Specific Health and Safety Plan

2. Certificates of Training for all employees and the project Supervisor
 3. Codes, Standards and Publications
 4. Material Safety Data Sheets (MSDS/SDS) for all chemicals used during the project.
 5. Copies of The Hazardous Materials Abatement Contractor's written hazard communication, respiratory protection, and confined space entry programs.
- C. Fees, Permits, and Licenses. The Hazardous Materials Abatement Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing in the performance of the work specified in this Section.
1. The Hazardous Materials Abatement Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Hazardous Materials Abatement Contractor shall hold the Owner and the Owner's Authorized Representative harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.
 2. The Hazardous Materials Abatement Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

1.14 MINIMUM REQUIREMENTS FOR WORKER HEALTH AND SAFETY

- A. The Hazardous Materials Abatement Contractor is responsible and liable for the health and safety of all onsite personnel and the offsite community affected by the project. All onsite workers or other persons entering the abatement work areas, decontamination areas or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site specific Health and Safety Plan at all times. The Hazardous Materials Abatement Contractor's HASP shall comply with all applicable federal, state, and local regulations protecting human health and the environment from the hazards posed by the work to be performed under this project.
- B. Consistent disregard for the provisions of the HASP shall be deemed as sufficient cause for immediate stoppage of work and termination of the Contract or any Sub Contracts without compromise or prejudice to the rights of the Owner or the Owner's Authorized Representative.
- C. Any discrepancies between the Hazardous Materials Abatement Contractor's HASP and these specifications or federal and state regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel and the surrounding community and environment
- D. In addition to exposure concerns relating to the presence of PCB's, other health and safety considerations will apply to the work. The Hazardous Materials Abatement Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of Contractor employees at all times. It is The Hazardous Materials Abatement Contractor's responsibility to comply with all applicable health and safety regulations.

- E. The HASP shall be reviewed by all persons prior to entry into the abatement, decontamination, or waste staging areas, whether a representative of The Hazardous Materials Abatement Contractor, owner, architect/engineer, environmental consultant, subcontractor(s), waste transporter or federal, state or local regulatory agency. Such review shall be acknowledged and documented by the Hazardous Materials Abatement Contractor's Health and Safety Officer by obtaining the name, signature and affiliation of all persons reviewing the HASP.
- F. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project and until all waste materials are removed from the site and disposed of at the appropriate disposal facility.
- G. The Hazardous Materials Abatement Contractor's on-site Health and Safety Officer shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP at all times during the project.

1.15 WORK AREAS AND ZONES

- A. The Hazardous Materials Abatement Contractor shall lay-out and clearly identify work areas in the field. Access by equipment, site personnel, and the public to the work areas shall be limited as follows:
 - 1. Abatement Zone: The Abatement Zone(s) shall consist of all interior areas where removal of PCBs and other Toxic or Hazardous Substances and waste handling and staging activities are on-going and the immediately surrounding locale or other areas where contamination could occur. Each Abatement Zone for purposes of interior removal of PCB materials or other Toxic or Hazardous Substances for disposal shall be performed within a containment (refer to section 3.2) to isolate work areas from non-work areas. The containment shall be visibly delineated with appropriate warning signs at all approaches to Abatement (including a PCB ML marker), and be restricted from access by all persons except those directly necessary for the completion of the respective abatement tasks. The Abatement Zones shall be relocated and delineated as necessary as work progresses from one portion of the project site to another, to limit access to each abatement area and to minimize risk of exposure to site workers and the general public. Access shall be controlled at the periphery of the Abatement Zones to regulate the flow of personnel and equipment into and out of each zone and to help verify that proper procedures for entering and exiting are followed. All persons within the Abatement Zones shall wear the appropriate level of protection established in the HASP.
 - 2. Decontamination Zone: The Decontamination Zone is the transition zone between the abatement area and the clean support zone of the project site, and is intended to reduce the potential for contaminants from being dispersed from the Abatement Zone to clean areas of the site. The Decontamination Zone shall consist of a buffer area surrounding each Abatement Zone through which the transfer of equipment, materials, personnel, and containerized waste products will occur and in which decontamination of equipment, personnel, and clothing will occur. The Decontamination Zones shall be constructed as a three chamber decontamination unit for workers and a two chamber equipment room for waste load out as detailed in Section 3.3. All emergency response and first aid equipment shall be readily maintained in these Zones. All protective equipment

and clothing shall be removed or decontaminated in the Decontamination Zone prior to exiting to the Support Zone.

3. Support Zone: The Support Zone will consist of the area outside the Decontamination Zones and the remainder of the project site. Administrative and other support functions and any activities that by nature need not be conducted in the Abatement or Decontamination Zone related to the project shall occur in the Support Zone. Access to the Abatement and Decontamination Zones shall be controlled by the Health and Safety Officer and limited to those persons necessary to complete the abatement work and which have reviewed and signed the HASP.

1.16 PERSONNEL PROTECTIVE EQUIPMENT

- A. The Hazardous Materials Abatement Contractor shall be responsible to determine and provide the appropriate level of personal protective equipment in accordance with applicable regulations and standards necessary to protect the Hazardous Materials Abatement Contractor's employees from all hazards present.
- B. The Hazardous Materials Abatement Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic and biological hazards posed by the site and work activities.
- C. The Hazardous Materials Abatement Contractor shall establish in the HASP criteria for the selection and use of personal protective equipment (PPE).
- D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the project site and the work to be performed. Appropriate protective clothing shall be worn at all times within the Abatement Zone.
- E. The Hazardous Materials Abatement Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist or there is a potential for such hazard to exit.
- F. The Hazardous Materials Abatement Contractor shall provide, as necessary, protective coveralls, disposable gloves and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities or otherwise present in the Abatement Zones. Coveralls shall be of Tyvek or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.
- G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed of at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the Health and Safety Officer. Protective clothing shall not be worn outside of the Decontamination Zone.
- H. Hard Hats, protective eyewear, rubber boots, and or other non-skid footwear shall be provided by The Hazardous Materials Abatement Contractor as required for workers and authorized visitors.

- I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Hazardous Materials Abatement Contractor for transport and proper disposal in accordance with 40 CFR 262.

1.17 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

- A. The Hazardous Materials Abatement Contractor shall provide and maintain at the site, at a minimum, the following Emergency and First Aid Equipment:
 1. Fire Extinguishers: A minimum one (1) fire extinguisher shall be supplied and maintained at the site by the Hazardous Materials Abatement Contractor throughout the duration of the project. Each extinguisher shall be a minimum of a 20 pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per 29 CFR 1910.157.
 2. First Aid Kit: A minimum one (1) first aid kit meeting the requirements of 29 CFR 1910.151 shall be supplied and maintained at the site by The Hazardous Materials Abatement Contractor throughout the duration of the project.
 3. Communications: Telephone communications (either cellular or land line) shall be provided by the Hazardous Materials Abatement Contractor for use by site personnel at all times during the project.
- B. The Health and Safety Officer shall be notified immediately in the event of personal injury, potential exposure to contaminants, or other emergency. The Health and Safety Officer shall then immediately notify the Owner's Authorized Representative.

1.18 STANDARD SAFETY AND HEALTH PROCEDURES AND ENGINEERING CONTROLS

- A. The following provisions shall be employed to promote overall safety, personnel hygiene and personnel decontamination:
 1. Each Contractor or Subcontractor shall ensure that all safety equipment and protective clothing to be utilized by its personnel is maintained in a clean and readily accessible manner at the site.
 2. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the site.
 3. Prior to exiting the delineated Decontamination Zone(s), all personnel shall remove protective clothing, and place disposable items in appropriate disposal containers to be dedicated to that purpose. Following removal of PPE, personnel shall thoroughly wash and rinse their face, hands, arms and other exposed areas with soap and tap water wash and subsequent tap water rinse. A fresh supply of tap water shall be provided at the site on each work day by the Remediation Contractor for this purpose.
 4. All PPE used on site shall be decontaminated or disposed of at the end of each work day. Discarded PPE shall be placed in sealed DOT approved 55-gallon barrels for off-site disposal.
 5. Respirators, if necessary due to an upgrade to Level C PPE, shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
 6. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the

- delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms and other exposed areas.
7. All personnel shall thoroughly cleanse their face hands, arms and other exposed areas prior to using toilet facilities.
 8. No alcohol, tobacco, illicit drugs or firearms will be allowed on the site at any time.
 9. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud or other wet or discolored surfaces; kneeling on ground; and placing equipment, materials or food on ground or other potentially contaminated surface.
 10. The use of the "Buddy System shall be employed at all times while conducting work at the site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue: periodically examine others PPE for signs of wear or damage; routinely communicate with others; and notify the Health and Safety Officer in the case of an emergency.
- B. Workers must wear protective suits, protective gloves, eye protection and a minimum of half-face respirator with HEPA filter cartridge for all projects. Respiratory protection shall be in accordance with OSHA regulation 1910.134 and ANSI Z88.2.
- C. Workers must be trained as per OSHA and USEPA requirements, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
1. A personal air sampling program shall be in place as required by OSHA.
 2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

1.19 INDEPENDENT INSPECTION AND MONITORING

- A. This section describes independent visual inspection and monitoring work being performed on behalf of the Owner. This work is not in the Contract Sum. This section describes monitoring carried out by the Owner's Consultant (EnviroScience) to verify that the building beyond the work area and the outside environment remains uncontaminated.
- B. The purpose of the Owner's Consultant's monitoring is to detect faults in the work area isolation such as:
1. Contamination of the building outside of the work area by PCB dust.
 2. Failure of filtration or rupture in the differential pressure system
 3. Contamination of the outside of the containment.
- Should any of the above occur, the Hazardous Materials Abatement Contractor shall immediately cease abatement activities until the fault is corrected. Do not recommence work until authorized by the Owner's Consultant.
- C. The Owner's Consultant may monitor the Work Area. The purpose of this monitoring will be to detect dust outside containment, which may challenge the ability of the Work

Area isolation procedures to protect the balance of the building or outside of the building from contamination.

- D. The Owner's Consultant will perform on-site monitoring throughout the course of the project, as follows:
1. All work procedures shall be continuously monitored by the Consultant to assure that areas outside the designated work locations in the buildings will not be contaminated.
 2. Prior to work on any given day, the Hazardous Materials Abatement Contractor's designated "competent person" shall discuss the day's work schedule with the Consultant to evaluate job tasks with respect to safety procedures and requirements specified to prevent contamination of the building or the employees. This includes a visual survey of the work area and the decontamination of the building or the employees. This includes a visual survey of the work area and the decontamination enclosure systems.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with PCBs shall be decontaminated or disposed of as PCB waste.
- C. Polyethylene sheet in a roll size to minimize the frequency of joints shall be delivered to the job site with factory label indicating 6 mil.
- D. Polyethylene disposable bags shall be six (6) mil with pertinent pre-printed label. Tie wraps for bags shall be plastic, five (5) inches long (minimum), pointed and looped to secure filled plastic bags.
- E. Tape or adhesive spray will be capable of sealing joints in adjacent polyethylene sheets and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of amended water.
- F. Cleaning Products: Contractor shall at their discretion utilize specialty cleaning products such as Capsur, TechXtract or other cleaners for use in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. Remediation Contractor shall ensure appropriate use and disposal associated with use in accordance with the MSDS/SDS sheets for each product utilized.
- G. The Hazardous Materials Abatement Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with PCBs.

- H. HEPA filtered local exhaust ventilation shall be utilized during the installation of enclosures and supports where PCB-containing materials may be disturbed.

2.2 TOOLS AND EQUIPMENT

- A. The Hazardous Materials Abatement Contractor shall provide all tools and equipment necessary for PCB removal.
- B. The Hazardous Materials Abatement Contractor's air monitoring professional shall have air-monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.
- C. The Hazardous Materials Abatement Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the job including protective clothing, respirators, filter cartridges, polyethylene sheeting of proper size and thickness, tape and air filters.
- D. The Hazardous Materials Abatement Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection work affecting the building electrical power system shall be performed by a State of Connecticut licensed electrician.
- E. The Hazardous Materials Abatement Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system or an acceptable alternate.
- F. Exhaust air filtration system units shall contain HEPA filter(s) capable of sufficient air exhaust to create negative pressure of -0.02 inches of water within enclosure with respect to outside area. Equipment shall be checked for proper operation by smoke tubes or differential pressure gauge before the start of each shift and at least twice during the shift. Adequate exhaust air shall be provided for a minimum of four (4) air changes per hour within the enclosure. No air movement system or air filtering equipment shall discharge unfiltered air outside.
- H. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter or larger.

PART 3 – EXECUTION

3.1 PRE-ABATEMENT MEETING

- A. At least one week prior to the start of work a Pre-Construction Meeting will be scheduled and must be attended by the Hazardous Materials Abatement Contractor and any Sub-Contractors. The assigned Contractor Site Supervisor is also required to attend this meeting.
- B. The Hazardous Materials Abatement Contractor shall present a detailed project schedule and project submittals at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant

will inform the Hazardous Materials Abatement Contractor of any scheduling adjustments for this project.

- C. Following the Pre-Construction Meeting, the Hazardous Materials Abatement Contractor shall submit a revised schedule (if needed) no later than three days after the meeting.

3.1 WORK AREA PROTECTION – ABATEMENT ZONE

- A. Protection of Existing Construction: Perform PCB Containing Materials removal work without damage or contamination of adjacent areas, soil, and existing construction.
- B. Prior to commencement of PCB abatement activities at each work area, a containment system shall be constructed by the Hazardous Materials Abatement Contractor to capture and contain all materials removed during the abatement. Containment procedures referenced for the abatement zone must be utilized for PCB Removal.
- C. During all remediation activities, Contractor shall maintain control of all entrances and exits to the project site to ensure only authorized personnel enter the work areas and are afforded proper personal protective equipment and as required respiratory protection. All approaches to work areas shall be demarcated with appropriately worded warning signs.
- D. Work zones shall be established in accordance with this section to include abatement zone, decontamination zone and support zone.
- E. Ground protection to prevent debris from escaping the abatement zone and to protect areas outside of abatement zone from PCB contamination shall be utilized. Protection shall include the use of water impervious membrane covering which shall be secured to the ground surface. Edges shall be raised to prevent water run-off used for dust control during removal of window systems from the building exterior. The membrane shall be covered with a single layer of 6-mil polyethylene sheeting securely fastened to foundation.
- F. All other openings to the building interior, such as unit ventilation, ducts, and grilles, shall be securely sealed with a single layer of 6-mil polyethylene sheeting from the building exterior. Refer to technical specification section for requirements.
- G. For interior removal of PCB Containing Materials a full containment shall be established with isolation barriers at all openings to the work area, floor covering and wall covering to the extent required to conduct removal of windows from inside the building. The containment area shall be placed under negative pressure as described below.
- H. Negative Pressure: Air is to be drawn into the exterior enclosure under all anticipated conditions and exhausted through a HEPA filter during daily operations when dust generating methods for removing PCB Containing Material for the duration of the activity and for a period of not less than 1 hour after The design parameters for static pressure differentials between the inside and outside of enclosures shall be in a range from 0.02 to 0.10 inches of water gauge, depending on conditions. All zones inside the enclosure must have less pressure than the ambient pressure outside of the enclosure (- 0.02 inches water gauge differential).

1. Ground protection and isolation barriers shall remain in place throughout work to collect dust and debris resulting from PCB removal. All debris generated during operations including but not limited to visible caulking, dust and debris shall be HEPA vacuumed continuously throughout the work shift and at the end of a work shift to avoid accumulation. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.
2. Warning Signage: Post warning signs in accordance with 29 CFR 1910.1200 at all approaches to the work area. Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the PCB ML markers at each entrance to the work area.
3. Waste Containers for PCB Bulk Product Waste: Appropriate PCB waste containers shall be placed adjacent to abatement zones. Containers shall be lined, covered and secured. The PCB waste containers shall be properly marked as described in 40 CFR part 761.40 and 45. Marking shall include a PCB ML marker.

3.3 DECONTAMINATION SYSTEM

- A. The Hazardous Materials Abatement Contractor shall establish contiguous to the work area, a decontamination enclosure consisting of equipment room, shower room, and clean room in series. The only access between contaminated and uncontaminated areas shall be through this decontamination enclosure. If it is not feasible to set-up a contiguous decontamination unit, the Hazardous Materials Abatement Contractor shall establish a remote decontamination unit.
- B. Access between rooms in the decontamination system shall be through double flap curtain openings. The clean room, shower and equipment room within the decontamination enclosure, shall be completely sealed ensuring that the sole source of airflow through this area originates from uncontaminated areas outside the work area.
- C. The Hazardous Materials Abatement Contractor shall establish contiguous with the work area an equipment decontamination enclosure consisting of two (2) totally enclosed chambers divided by double flap curtained opening. This enclosure must be constructed so as to ensure no personnel enter or exit through this unit.
- D. Occupied areas and/or building space not within the work areas shall be separated from PCB abatement work areas by means of airtight barriers.
- E. Construct the decontamination system with wood or metal framing, 3/8" sheathing and cover both sides with a double layer of six (6) mil polyethylene sheeting, spray glued or taped at the joints. Caulk joints watertight at floor, walls, and ceiling.
- F. The Hazardous Materials Abatement Contractor and the Consultant shall visually inspect barrier several times daily to assure effective seal and the Hazardous Materials Abatement Contractor shall repair defects immediately.

3.4 BULK PRODUCT WASTE REMOVAL – PCB \geq 50 PPM

- A. PCB Bulk Product Waste Materials including exterior window caulking (1956), Shellac/Varnish associated with the exercise (small) gym wood floor, and the interior slate window sill caulk (1968), including slate sill shall be handled and removed from specified locations for proper disposal
- B. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers. Mechanical removal equipment shall as appropriate be fitted with dust collection systems.
- C. Any dry or brittle caulking materials or other Bulk Product waste containing PCB \geq 50 ppm shall be removed with additional engineering controls such as use of a HEPA vacuum to remove accumulated dust or debris during removal.
- D. Once removed, materials shall be placed in lined containers or into appropriate temporary containers such as 6-mil polyethylene disposal bags for controlled transport to PCB waste containers at the end of each work shift. PCB Bulk Product Waste shall be stored for disposal in accordance with 40 CFR Part §761.65 and marked in accordance with 40 CFR Part §761.40 and §761.45.
- E. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling, or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with 40 CFR Part §761.60 (a).

3.5 CLEANING AND DECONTAMINATION

- A. The Hazardous Materials Abatement Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed final visual inspection requirements.
- B. The Hazardous Materials Abatement Contractor shall utilize HEPA vacuum and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty products are utilized the Hazardous Materials Abatement Contractor shall utilize in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.
- C. Cleaning of containment barriers shall be performed prior to removal leaving critical barriers at openings, decontamination units and negative air filtration devices in place until results of post verification sampling indicate acceptable limits. Cleaning shall be performed from ceiling to floors.
- D. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with 40 CFR Part §761.79 (b) (1) or disposed of in accordance with §761.60 (a).

- E. All rags and other cleaning materials used to clean shall also be properly disposed as PCB Remediation Waste. All PCB Remediation Waste shall be disposed of in accordance with 40 CFR Part § 761.61(a)(5)(i)(B)(2)(iii). All waste containers shall comply with 40 CFR § 761.65 and shall be appropriately labeled in accordance with 40 CFR Part § 761.40 and § 761.45.
- F. Equipment to be utilized in connection with the removal of PCB Containing Materials including waste collection or that will or may come in direct contact with the site contaminants shall be decontaminated prior to leaving the site to prevent migration of the contaminated residues from the project site. Decontamination shall be in accordance with 40 CFR Part §761.79 and Sub-part S procedures.
- G. All non-disposable equipment and tools employed in the course of the project will be decontaminated at the conclusion of each work day through the following sequence:
 - 1. Initial tap water rinse, to remove gross soil
 - 2. Tap water and hexane or equivalent wash
 - 3. Tap water rinse
 - 4. Second tap water and hexane or equivalent wash
 - 5. Second tap water rinse
- H. The wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon barrels for off-site disposal.

3.6 CONSULTANT'S RESPONSIBILITIES

- A. Air sampling shall be conducted by the Consultant to ascertain the integrity of controls that protect the building from PCB contamination. Independently, the Hazardous Materials Abatement Contractor shall monitor air quality within the work area to ascertain the protection of employees and to comply with OSHA regulations.
- B. The Consultant's project monitor shall provide continual evaluation of the condition of the building during removal, using his/her best professional judgments in respect to the State of Connecticut Department of Environmental Protection guidelines.

3.7 CONSULTANT'S INSPECTION RESPONSIBILITIES

- A. Consultant shall conduct inspection throughout the progress of the abatement project. Inspections shall be conducted in order to document the progress of the abatement work as well as the procedures and practices employed by the Hazardous Materials Abatement Contractor.
- B. The Consultant shall perform the following inspections during the course of abatement activities:
 - 1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the abatement Contractor. The Consultant shall be informed 12 hours prior to the time the inspection is needed. If, during the course of the pre-commencement inspection, deficiencies are found, the Hazardous Materials Abatement Contractor shall perform the necessary adjustments in order to obtain compliance.

2. Work Area Inspections. Work area inspections shall be conducted on a daily basis at the discretion of the Consultant. During the course of the work inspections, the Consultant shall observe the Hazardous Materials Abatement Contractor's removal procedures, verify barrier integrity, monitor negative air filtration devices, assess project progress, and inform the abatement Contractor of specific remedial activities if deficiencies are noted.
3. Final Visual Inspection. The Consultant, upon the request of the abatement Contractor, shall conduct final visual inspection. The final visual inspection shall be conducted after completion of the final cleaning procedures. The final visual inspection shall verify that all PCB Containing Material and residual debris have been removed from the work area. If, during the course of the inspection, the Consultant identifies residual dust or debris, the Hazardous Materials Abatement Contractor shall comply with the request of the Consultant in order to render the area "dust free".

3.8 MARKING OF WASTE CONTAINERS

- A. All waste containers must be marked with the name of the waste contained; the date in which the first material was placed in the vessel; and the last date at which addition of waste occurred. All waste containers must be marked with a PCB ML marker.
- B. All waste containers containing PCB Waste and contaminated debris, containment system components, used personnel protective equipment, personal and equipment wash water and decontamination fluids, or other wastes generated during the abatement work shall be labeled as follows:

DOT Class 9 UN3432 (solid)
Or UN2315 (liquid) PCB Waste
RQ

Waste for Disposal

Federal law prohibits improper disposal.

If found, contact the nearest police or public safety authority or
the U.S. Environmental Protection Agency.

- a. Generator's Information: _____
- b. Manifest Tracking No.: _____
- c. Accumulation Start Date: _____
- d. EPA ID No.: _____
- e. EPA Waste No.: _____
- f. Total Weight: _____
- g. Container No.: _____

HANDLE WITH CARE!

In addition, these containers must be marked with a PCB M_L marker.

- C. Such marking must be durable, in English and printed on or affixed to the surface of the package or on a label, tag or sign; displayed on a background of sharply contrasting color; un-obscured by labels or attachments and located away from any other marking (such as advertising) that could substantially reduce its effectiveness.

3.9 ON-SITE WASTE MANAGEMENT AND DISPOSAL OF SOLID HAZARDOUS WASTES

- A. All solid waste material, containment system components, used personnel protective equipment, and other solid wastes generated during the work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position. Suitable waste receptacles may consist of roll-off containers or DOT-approved 55-gallon barrels.
- B. The Hazardous Materials Abatement Contractor shall be responsible for all packaging, labeling, transport, disposal, and record-keeping associated with PCB or PCB contaminated waste in accordance with all federal, state, and local regulations.
- C. The Hazardous Materials Abatement Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.
- D. The Hazardous Materials Abatement Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state, and local regulations with a copy to the Owner and Owner's Authorized Representative.
- E. The Hazardous Materials Abatement Contractor shall maintain proper follow up procedures to assure that waste materials have been received by the designated waste site in a timely manner and in accordance with all federal, state, and local regulations.
- F. The Hazardous Materials Abatement Contractor shall assure that disposal of polychlorinated biphenyls (PCB) containing waste material is at a facility approved to accept such waste and shall provide a tracking/manifest form signed by the landfill's authorized representative.
- G. If roll-off containers are to be utilized for containerization of the abatement wastes the following shall apply:
 - 1. All roll-off containers or other similar vessels utilized shall be watertight and lined with 6-mil polyethylene sheeting or equivalent impermeable lining, and equipped with a secured and impermeable cover.
 - 2. The impermeable cover shall remain securely in place at all times when material is not being actively placed in the vessels. The Remediation Contractor shall be responsible for ensuring that the cover remains securely intact until the container is removed from the site.
- H. If 55-Gallon barrels are to be utilized for waste containerization, the barrels shall consist of suitable DOT-approved 55-gallon barrels that are watertight and free of corrosion, perforations, punctures, or other damage. All barrels shall be securely covered and sealed at the conclusion of each work day.
- I. The waste containers shall remain staged at the site with a secure impermeable cover in place until the materials are transported from the site to be delivered to the designated disposal facility.
- J. A waste roll-off and barrel staging area shall be designated prior to initiation of the abatement work, and approved by the Owner's Authorized Representative.

- K. Materials containing <50 ppm will be transported to one of the following facilities:
1. A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to part 40 CFR Part §761.258.
 2. A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to 40 CFR Part §761. 257.5 through 257.30, as applicable.
 3. A hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.
 4. Waste manifests must show chain of custody. Provide required copies of the waste shipment records for wastes to the Owner as required.
- L. Any PCB Liquid Water Waste shall be properly containerized and decontaminated in accordance with 40 CFR Part §761.79 (b)(1) or disposed of in accordance with 40 CFR Part §761.60 (a).
- M. Any chemicals, solvents or other products used during decontamination shall be properly containerized as PCB Liquid Waste. Waste must be properly decontaminated or disposed in accordance with 40 CFR Part §761.60 (a) or 40 CFR Part §761.79 (g). PCB Liquid Waste shall be transported by a licensed hauler and shipped for treatment or disposal. Provide required copies of the uniform waste manifests for hazardous wastes to the Owner, waste generation State and waste destination State as required.
- N. All contaminated waste shall be carefully loaded on trucks or other appropriate vehicles for transport. Before and during transport, care shall be exercised to insure that no unauthorized persons have access to the material.
- O. Transporters of the waste are prohibited from “back hauling” any freight after the disposition of the Owner’s waste stream until decontamination of the vehicle and/or trailer is assured.

END OF SECTION 020850

ORVILLE H. PLATT HIGH SCHOOL
MERIDEN, CT

SDE PROJECT NO.: 080-0093 RNV/E

ATTACHMENT A

HAZARDOUS MATERIALS SURVEY REPORT

ORVILLE H. PLATT HIGH SCHOOL
MERIDEN, CT

SDE PROJECT NO.: 080-0093 RNV/E

ATTACHMENT B

**AIR AND WIPE SAMPLE AND ANALYSIS FOR POLYCHLORINATED BIPHENYLS (PCBS)
REPORT**

ORVILLE H. PLATT HIGH SCHOOL
MERIDEN, CT

SDE PROJECT NO.: 080-0093 RNV/E

ATTACHMENT C

**SELF-IMPLEMENTING ON-SITE CLEAN-UP AND DISPOSAL PLAN
(NOT INCLUDED UNTIL APPROVED BY EPA)**

ORVILLE H. PLATT HIGH SCHOOL
MERIDEN, CT

SDE PROJECT NO.: 080-0093 RNV/E

DRAWINGS

Appendix E

Air and Wipe Sampling for Polychlorinated Biphenyls

May 3, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Platt High School Mendon, CT
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12D0940

Enclosed are results of analyses for samples received by the laboratory on April 26, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 5/3/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0940

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt High School Mendon, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0425EMM-01A	12D0940-01	Air	Cafeteria	TO-10A/EPA 680 Modified	
0425EMM-02A	12D0940-02	Air	Kitchen - Serving Area	TO-10A/EPA 680 Modified	
0425EMM-03A	12D0940-03	Air	Nurse	TO-10A/EPA 680 Modified	
0425EMM-04A	12D0940-04	Air	Rm. 26	TO-10A/EPA 680 Modified	
0425EMM-05A	12D0940-05	Air	Rm. 18 (Home Ec.)	TO-10A/EPA 680 Modified	
0425EMM-05D	12D0940-06	Air	Rm. 18 (Duplicate)	TO-10A/EPA 680 Modified	
0425EMM-06	12D0940-07	Air	Library (Reference)	TO-10A/EPA 680 Modified	
0425EMM-07	12D0940-08	Air	Rm. 130	TO-10A/EPA 680 Modified	
0425EMM-08	12D0940-09	Air	Rm. 105	TO-10A/EPA 680 Modified	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

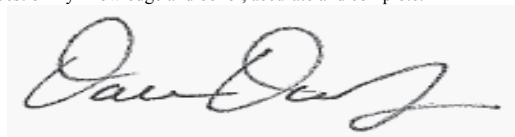
Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
B050536-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Date Received: 4/26/2012

Field Sample #: 0425EMM-01A

Sample ID: 12D0940-01

Sample Matrix: Air

Sampled: 4/25/2012 00:00

Sample Description/Location: Cafeteria

Sub Description/Location:

Flow Controller ID:

Sample Type:

Air Volume L: 1018.4

Work Order: 12D0940

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00098	1	5/2/12	2:55	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00098	1	5/2/12	2:55	CJM
Trichlorobiphenyls	0.0057	0.0010		0.0056	0.00098	1	5/2/12	2:55	CJM
Tetrachlorobiphenyls	0.0033	0.0020		0.0032	0.002	1	5/2/12	2:55	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	2:55	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	2:55	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	5/2/12	2:55	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	5/2/12	2:55	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	5/2/12	2:55	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	5/2/12	2:55	CJM
Total Polychlorinated biphenyls	0.0090			0.0088		1	5/2/12	2:55	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	100	50-125	5/2/12 2:55

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Date Received: 4/26/2012

Field Sample #: 0425EMM-02A

Sample ID: 12D0940-02

Sample Matrix: Air

Sampled: 4/25/2012 00:00

Sample Description/Location: Kitchen - Serving Area

Sub Description/Location:

Work Order: 12D0940

Flow Controller ID:

Sample Type:

Air Volume L: 1014.6

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12	3:29	CJM
Dichlorobiphenyls	0.0032	0.0010		0.0032	0.00099	1	5/2/12	3:29	CJM
Trichlorobiphenyls	0.0076	0.0010		0.0075	0.00099	1	5/2/12	3:29	CJM
Tetrachlorobiphenyls	0.0059	0.0020		0.0058	0.002	1	5/2/12	3:29	CJM
Pentachlorobiphenyls	0.0024	0.0020		0.0024	0.002	1	5/2/12	3:29	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	3:29	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	3:29	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	3:29	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	5/2/12	3:29	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	5/2/12	3:29	CJM
Total Polychlorinated biphenyls	0.019			0.019		1	5/2/12	3:29	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	80.9	50-125	5/2/12 3:29

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Date Received: 4/26/2012

Field Sample #: 0425EMM-03A

Sample ID: 12D0940-03

Sample Matrix: Air

Sampled: 4/25/2012 00:00

Sample Description/Location: Nurse

Sub Description/Location:

Flow Controller ID:

Sample Type:

Air Volume L: 1018.4

Work Order: 12D0940

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00098	1	5/2/12	4:02	CJM
Dichlorobiphenyls	0.0041	0.0010		0.004	0.00098	1	5/2/12	4:02	CJM
Trichlorobiphenyls	0.028	0.0010		0.027	0.00098	1	5/2/12	4:02	CJM
Tetrachlorobiphenyls	0.011	0.0020		0.010	0.002	1	5/2/12	4:02	CJM
Pentachlorobiphenyls	0.0025	0.0020		0.0024	0.002	1	5/2/12	4:02	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	4:02	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.0029	1	5/2/12	4:02	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.0029	1	5/2/12	4:02	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	5/2/12	4:02	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	5/2/12	4:02	CJM
Total Polychlorinated biphenyls	0.045			0.044		1	5/2/12	4:02	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	95.9	50-125	5/2/12 4:02

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Sample Description/Location: Rm. 26

Work Order: 12D0940

Date Received: 4/26/2012

Sub Description/Location:

Field Sample #: 0425EMM-04A

Sample ID: 12D0940-04

Sample Matrix: Air

Flow Controller ID:

Sampled: 4/25/2012 00:00

Sample Type:

Air Volume L: 1014.6

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12	4:36	CJM
Dichlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12	4:36	CJM
Trichlorobiphenyls	0.0048	0.0010		0.0047	0.00099	1	5/2/12	4:36	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	4:36	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	4:36	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	4:36	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	4:36	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	4:36	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	5/2/12	4:36	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	5/2/12	4:36	CJM
Total Polychlorinated biphenyls	0.0048			0.0047		1	5/2/12	4:36	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	103	50-125	5/2/12 4:36

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Date Received: 4/26/2012

Field Sample #: 0425EMM-05A

Sample ID: 12D0940-05

Sample Matrix: Air

Sampled: 4/25/2012 00:00

Sample Description/Location: Rm. 18 (Home Ec.)

Sub Description/Location:

Work Order: 12D0940

Flow Controller ID:

Sample Type:

Air Volume L: 1003.2

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.001	1	5/2/12	5:10	CJM
Dichlorobiphenyls	0.0034	0.0010		0.0033	0.001	1	5/2/12	5:10	CJM
Trichlorobiphenyls	0.0073	0.0010		0.0073	0.001	1	5/2/12	5:10	CJM
Tetrachlorobiphenyls	0.0031	0.0020		0.0031	0.002	1	5/2/12	5:10	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	5:10	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	5:10	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	5:10	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	5:10	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.005	1	5/2/12	5:10	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.005	1	5/2/12	5:10	CJM
Total Polychlorinated biphenyls	0.014			0.014		1	5/2/12	5:10	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	99.1	50-125	5/2/12 5:10

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Date Received: 4/26/2012

Field Sample #: 0425EMM-05D

Sample ID: 12D0940-06

Sample Matrix: Air

Sampled: 4/25/2012 00:00

Sample Description/Location: Rm. 18 (Duplicate)

Sub Description/Location:

Work Order: 12D0940

Flow Controller ID:

Sample Type:

Air Volume L: 1007

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12	5:43	CJM
Dichlorobiphenyls	0.0018	0.0010		0.0018	0.00099	1	5/2/12	5:43	CJM
Trichlorobiphenyls	0.0048	0.0010		0.0048	0.00099	1	5/2/12	5:43	CJM
Tetrachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	5:43	CJM
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	5:43	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	5:43	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	5:43	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	5:43	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.005	1	5/2/12	5:43	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.005	1	5/2/12	5:43	CJM
Total Polychlorinated biphenyls	0.0066			0.0065		1	5/2/12	5:43	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	107	50-125	5/2/12 5:43

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Date Received: 4/26/2012

Field Sample #: 0425EMM-06

Sample ID: 12D0940-07

Sample Matrix: Air

Sampled: 4/25/2012 00:00

Sample Description/Location: Library (Reference)

Sub Description/Location:

Work Order: 12D0940

Flow Controller ID:

Sample Type:

Air Volume L: 1007

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12	6:17	CJM
Dichlorobiphenyls	0.0016	0.0010		0.0015	0.00099	1	5/2/12	6:17	CJM
Trichlorobiphenyls	0.0049	0.0010		0.0048	0.00099	1	5/2/12	6:17	CJM
Tetrachlorobiphenyls	0.0073	0.0020		0.0072	0.002	1	5/2/12	6:17	CJM
Pentachlorobiphenyls	0.0040	0.0020		0.004	0.002	1	5/2/12	6:17	CJM
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12	6:17	CJM
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	6:17	CJM
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12	6:17	CJM
Nonachlorobiphenyls	ND	0.0050		ND	0.005	1	5/2/12	6:17	CJM
Decachlorobiphenyl	ND	0.0050		ND	0.005	1	5/2/12	6:17	CJM
Total Polychlorinated biphenyls	0.018			0.018		1	5/2/12	6:17	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	98.9	50-125	5/2/12 6:17

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Sample Description/Location: Rm. 130

Work Order: 12D0940

Date Received: 4/26/2012

Sub Description/Location:

Field Sample #: 0425EMM-07

Sample ID: 12D0940-08

Sample Matrix: Air

Flow Controller ID:

Sampled: 4/25/2012 00:00

Sample Type:

Air Volume L: 1007

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12 11:37	CJM	
Dichlorobiphenyls	0.0072	0.0010		0.0071	0.00099	1	5/2/12 11:37	CJM	
Trichlorobiphenyls	0.016	0.0010		0.016	0.00099	1	5/2/12 11:37	CJM	
Tetrachlorobiphenyls	0.0041	0.0020		0.0041	0.002	1	5/2/12 11:37	CJM	
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12 11:37	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12 11:37	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12 11:37	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12 11:37	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.005	1	5/2/12 11:37	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.005	1	5/2/12 11:37	CJM	
Total Polychlorinated biphenyls	0.028			0.027		1	5/2/12 11:37	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.6	50-125	5/2/12 11:37

ANALYTICAL RESULTS

Project Location: Platt High School Mendon, CT

Sample Description/Location: Rm. 105

Work Order: 12D0940

Date Received: 4/26/2012

Sub Description/Location:

Field Sample #: 0425EMM-08

Sample ID: 12D0940-09

Sample Matrix: Air

Flow Controller ID:

Sampled: 4/25/2012 00:00

Sample Type:

Air Volume L: 1014.6

TO-10A/EPA 680 Modified

Analyte	Total µg		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Monochlorobiphenyls	ND	0.0010		ND	0.00099	1	5/2/12 12:11	CJM	
Dichlorobiphenyls	0.015	0.0010		0.015	0.00099	1	5/2/12 12:11	CJM	
Trichlorobiphenyls	0.034	0.0010		0.034	0.00099	1	5/2/12 12:11	CJM	
Tetrachlorobiphenyls	0.014	0.0020		0.013	0.002	1	5/2/12 12:11	CJM	
Pentachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12 12:11	CJM	
Hexachlorobiphenyls	ND	0.0020		ND	0.002	1	5/2/12 12:11	CJM	
Heptachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12 12:11	CJM	
Octachlorobiphenyls	ND	0.0030		ND	0.003	1	5/2/12 12:11	CJM	
Nonachlorobiphenyls	ND	0.0050		ND	0.0049	1	5/2/12 12:11	CJM	
Decachlorobiphenyl	ND	0.0050		ND	0.0049	1	5/2/12 12:11	CJM	
Total Polychlorinated biphenyls	0.063			0.062		1	5/2/12 12:11	CJM	

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	104	50-125	5/2/12 12:11

Sample Extraction Data**Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified**

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
12D0940-01 [0425EMM-01A]	B050536	1.00	1.00	04/27/12
12D0940-02 [0425EMM-02A]	B050536	1.00	1.00	04/27/12
12D0940-03 [0425EMM-03A]	B050536	1.00	1.00	04/27/12
12D0940-04 [0425EMM-04A]	B050536	1.00	1.00	04/27/12
12D0940-05 [0425EMM-05A]	B050536	1.00	1.00	04/27/12
12D0940-06 [0425EMM-05D]	B050536	1.00	1.00	04/27/12
12D0940-07 [0425EMM-06]	B050536	1.00	1.00	04/27/12
12D0940-08 [0425EMM-07]	B050536	1.00	1.00	04/27/12
12D0940-09 [0425EMM-08]	B050536	1.00	1.00	04/27/12

QUALITY CONTROL
PCB Homologues by GC/MS with Soxhlet Extraction - Quality Control

Analyte	Total µg		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	Total µg	Result	%REC	Limits	RPD	Limit	
Batch B050536 - SW-846 3540C											
Blank (B050536-BLK1)					Prepared: 04/27/12 Analyzed: 05/02/12						
Monochlorobiphenyls	ND	0.0010									
Dichlorobiphenyls	ND	0.0010									
Trichlorobiphenyls	ND	0.0010									
Tetrachlorobiphenyls	ND	0.0020									
Pentachlorobiphenyls	ND	0.0020									
Hexachlorobiphenyls	ND	0.0020									
Heptachlorobiphenyls	ND	0.0030									
Octachlorobiphenyls	ND	0.0030									
Nonachlorobiphenyls	ND	0.0050									
Decachlorobiphenyl	ND	0.0050									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	0.0935				0.200		46.7	* 50-125			S-20
LCS (B050536-BS1)					Prepared: 04/27/12 Analyzed: 05/02/12						
Monochlorobiphenyls	0.18	0.0010			0.200		88.1	40-140			
Dichlorobiphenyls	0.19	0.0010			0.200		95.9	40-140			
Trichlorobiphenyls	0.19	0.0010			0.200		95.8	40-140			
Tetrachlorobiphenyls	0.40	0.0020			0.400		99.3	40-140			
Pentachlorobiphenyls	0.41	0.0020			0.400		102	40-140			
Hexachlorobiphenyls	0.40	0.0020			0.400		101	40-140			
Heptachlorobiphenyls	0.63	0.0030			0.600		104	40-140			
Octachlorobiphenyls	0.62	0.0030			0.600		103	40-140			
Nonachlorobiphenyls	1.1	0.0050			1.00		110	40-140			
Decachlorobiphenyl	1.1	0.0050			1.00		110	40-140			
Surrogate: Tetrachloro-m-xylene	0.211				0.200		106	50-125			
LCS Dup (B050536-BSD1)					Prepared: 04/27/12 Analyzed: 05/02/12						
Monochlorobiphenyls	0.21	0.0010			0.200		104	40-140	16.2	50	
Dichlorobiphenyls	0.22	0.0010			0.200		111	40-140	14.9	50	
Trichlorobiphenyls	0.22	0.0010			0.200		111	40-140	14.6	50	
Tetrachlorobiphenyls	0.46	0.0020			0.400		116	40-140	15.4	50	
Pentachlorobiphenyls	0.46	0.0020			0.400		115	40-140	11.7	50	
Hexachlorobiphenyls	0.45	0.0020			0.400		114	40-140	11.6	50	
Heptachlorobiphenyls	0.70	0.0030			0.600		116	40-140	10.7	50	
Octachlorobiphenyls	0.68	0.0030			0.600		113	40-140	9.05	50	
Nonachlorobiphenyls	1.2	0.0050			1.00		119	40-140	7.72	50	
Decachlorobiphenyl	1.2	0.0050			1.00		116	40-140	5.41	50	
Surrogate: Tetrachloro-m-xylene	0.231				0.200		115	50-125			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls

AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

12D0940

- ☒ 146 Hartford Road, Manchester, CT 06040
- ☐ 56 Quarry Road, Trumbull, CT 06611
- ☐ 1419 Richard Street, Columbia, SC 29201
- ☐ 78 Interstate Drive, West Springfield, MA 01081

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0372

Project Name

Project Location

Project Number

LABORATORY

PROJECT NAME	PROJECT LOCATION
Platt High School	Mendon, CT

2011127. A2E

Con-Test

REPORT TO:

Karson Redfield

Mendden, CT

INVOICE TO:

P.O. No.:

Sampler's Signature: _____

Shirley M. A.

Date: 4-25-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Potable Water
T=Treatment Facility
S=Soil
B=Sediment

$$W = W_{\text{aste}} \\ A = A_{\text{ir}}$$

X=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled											
	1	2	3	4															
01					04ASERMN -														
02					01A Cafeteria	Air	7-25-12	P.M.	✓										
03					02A Kitchen - serving area				✓										
04					03A Nurse				✓										
05					04A Rm. 26				✓										
06					05A Rm. 18 (Home Ec.)				✓										
07					05D ↓ (Duplicate)				✓										
08					06 Library (reference)				✓										
09					07 Rm. 130				✓										
					08 Rm. 105	↓			✓										

Comments: none

3.8 LPM

Transfer
Number

Relinquished By

Accepted By

Date _____

Time

Reporting and Detection Limit Requirements

USEPA action concentration 10 ug / 100 cm² 0.1 ug / cm²

Additional Comments:

- Refer to field notes for start/stop supply time

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fuss + O'Neill RECEIVED BY: SD DATE: 4/26/12

- 1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No No CoC Included
2) Does the chain agree with the samples? ☒ Yes ☐ No
If not, explain:
3) Are all the samples in good condition? ☒ Yes ☐ No
If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? ☒ Yes ☐ No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.0

5) Are there Dissolved samples for the lab to filter?

Yes ☐ No ☒

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes ☐ No ☒

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No ☒ N/A

9) Do all samples have the proper Base pH: Yes No ☒ N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	9
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 2 Sept 2011 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

May 4, 2012

Karron Redfield
Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040

Project Location: Platt High School, Meriden, CT
Client Job Number:
Project Number: 20111127.A1E
Laboratory Work Order Number: 12D0938

Enclosed are results of analyses for samples received by the laboratory on April 26, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is displayed on a light gray rectangular background.

Lisa A. Worthington
Project Manager

Fuss & O'Neill EnviroScience, LLC - CT
146 Hartford Road
Manchester, CT 06040
ATTN: Karron Redfield

REPORT DATE: 5/4/2012

PURCHASE ORDER NUMBER: 20111127.A1E

PROJECT NUMBER: 20111127.A1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0938

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Platt High School, Meriden, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
0425EMM-01W	12D0938-01	Wipe	w. sill (metal rad. cover)	EPA 680 Modified	
0425EMM-02W	12D0938-02	Wipe	floor-adj window	EPA 680 Modified	
0425EMM-03W	12D0938-03	Wipe	desk-opp window	EPA 680 Modified	
0425EMM-04W	12D0938-04	Wipe	floor-opp window	EPA 680 Modified	
0425EMM-05W	12D0938-05	Wipe	w. sill (metal rad. cover)	EPA 680 Modified	
0425EMM-06W	12D0938-06	Wipe	floor-adj window	EPA 680 Modified	
0425EMM-07W	12D0938-07	Wipe	desk-opp window	EPA 680 Modified	
0425EMM-08W	12D0938-08	Wipe	floor-opp window	EPA 680 Modified	
0425EMM-09W	12D0938-09	Wipe	w. sill (metal rad. cover)	EPA 680 Modified	
0425EMM-10W	12D0938-10	Wipe	w. sill (metal grate)	EPA 680 Modified	
0425EMM-11W	12D0938-11	Wipe	floor (middle)	EPA 680 Modified	
0425EMM-12W	12D0938-12	Wipe	stove (left)	EPA 680 Modified	
0425EMM-13W	12D0938-13	Wipe	counter (middle)	EPA 680 Modified	
0425EMM-14W	12D0938-14	Wipe	floor (middle)-duplicate	EPA 680 Modified	
0425EMM-15W	12D0938-15	Wipe	wood sill	EPA 680 Modified	
0425EMM-16W	12D0938-16	Wipe	floor adj window	EPA 680 Modified	
0425EMM-17W	12D0938-17	Wipe	assignment table-opp window	EPA 680 Modified	
0425EMM-18W	12D0938-18	Wipe	floor-opp window	EPA 680 Modified	
0425EMM-19W	12D0938-19	Wipe	wood sill	EPA 680 Modified	
0425EMM-20W	12D0938-20	Wipe	floor- adj window	EPA 680 Modified	
0425EMM-21W	12D0938-21	Wipe	computer desk-opp window	EPA 680 Modified	
0425EMM-22W	12D0938-22	Wipe	floor-opp window	EPA 680 Modified	
0425EMM-23W	12D0938-23	Wipe	w. sill (slate)	EPA 680 Modified	
0425EMM-24W	12D0938-24	Wipe	floor-adj window	EPA 680 Modified	
0425EMM-25W	12D0938-25	Wipe	table-opp. window	EPA 680 Modified	
0425EMM-26W	12D0938-26	Wipe	floor-opp window	EPA 680 Modified	
0425EMM-27W	12D0938-27	Wipe	wood counter	EPA 680 Modified	
0425EMM-28W	12D0938-28	Wipe	metal counter	EPA 680 Modified	
0425EMM-29W	12D0938-29	Wipe	floor middle	EPA 680 Modified	
0425EMM-30W	12D0938-30	Wipe	floor-adj window	EPA 680 Modified	
0425EMM-31W	12D0938-31	Wipe	desk-opp. window	EPA 680 Modified	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Revised Report on 5/4/2012 with wipe units reported in ug/100 cm2.

EPA 680 Modified**Qualifications:**

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:**Hexachlorobiphenyls, Pentachlorobiphenyls, Tetrachlorobiphenyls, Total Polychlorinated biphenyls**

12D0938-12[0425EMM-12W], 12D0938-13[0425EMM-13W], 12D0938-14[0425EMM-14W], 12D0938-29[0425EMM-29W], B050564-BLK1, B050564-BS1, B050564-BSD1, 12D0938-15[0425EMM-15W], 12D0938-16[0425EMM-16W], 12D0938-17[0425EMM-17W], 12D0938-19[0425EMM-19W], 12D0938-20[0425EMM-20W], 12D0938-25[0425EMM-25W], 12D0938-27[0425EMM-27W], 12D0938-18[0425EMM-18W]

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:**Tetrachloro-m-xylene**

B050532-BLK1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Dichlorobiphenyls, Monochlorobiphenyls, Trichlorobiphenyls**

B050532-BS1, B050532-BSD1, 12D0938-07[0425EMM-07W]

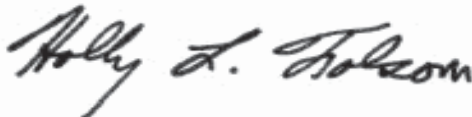
Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl, Dichlorobiphenyls, Monochlorobiphenyls, Trichlorobiphenyls**

12D0938-12[0425EMM-12W], 12D0938-13[0425EMM-13W], 12D0938-21[0425EMM-21W], 12D0938-22[0425EMM-22W], 12D0938-23[0425EMM-23W], 12D0938-24[0425EMM-24W], 12D0938-25[0425EMM-25W], 12D0938-26[0425EMM-26W], 12D0938-27[0425EMM-27W], 12D0938-28[0425EMM-28W], 12D0938-29[0425EMM-29W], 12D0938-30[0425EMM-30W], 12D0938-31[0425EMM-31W], 12D0938-01[0425EMM-01W], 12D0938-02[0425EMM-02W], 12D0938-03[0425EMM-03W], 12D0938-04[0425EMM-04W], 12D0938-05[0425EMM-05W], 12D0938-06[0425EMM-06W], 12D0938-07[0425EMM-07W], 12D0938-08[0425EMM-08W], 12D0938-09[0425EMM-09W], 12D0938-10[0425EMM-10W], 12D0938-11[0425EMM-11W], B050532-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Holly L. Folsom
Reporting Specialist

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: w. sill (metal rad. cover)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-01W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-01

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Pentachlorobiphenyls	0.0066	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Hexachlorobiphenyls	0.0054	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Total Polychlorinated biphenyls	0.012		µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:05	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	87.8		50-125				4/30/12 21:05		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-adj window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-02W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-02

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 21:43	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	106		50-125				4/30/12 21:43		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: desk-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-03W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-03

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Pentachlorobiphenyls	0.0084	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Hexachlorobiphenyls	0.0042	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Total Polychlorinated biphenyls	0.013		µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:21	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	119		50-125				4/30/12 22:21		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-04W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-04

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Pentachlorobiphenyls	0.0091	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Hexachlorobiphenyls	0.0044	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Total Polychlorinated biphenyls	0.014		µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 22:58	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	121		50-125				4/30/12 22:58		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: w. sill (metal rad. cover)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-05W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-05

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/27/12	4/30/12 23:36	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	119	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-adj window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-06W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-06

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:14	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	114		50-125				5/1/12 0:14		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: desk-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-07W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-07

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Trichlorobiphenyls	0.0045	0.0010	µg/100 cm2	1	V-06	EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Tetrachlorobiphenyls	0.0022	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Pentachlorobiphenyls	0.0023	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Total Polychlorinated biphenyls	0.0090		µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 0:51	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	109		50-125				5/1/12 0:51		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-08W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-08

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Pentachlorobiphenyls	0.0020	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Total Polychlorinated biphenyls	0.0020		µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 1:29	CJM
Surrogates		% Recovery	Recovery Limits		Flag				
Tetrachloro-m-xylene		125	50-125		5/1/12 1:29				

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: w. sill (metal rad. cover)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-09W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-09

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:06	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	122		50-125				5/1/12 2:06		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: w. sill (metal grate)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-10W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-10

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 2:44	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	112		50-125				5/1/12 2:44		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor (middle)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-11W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-11

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/27/12	5/1/12 3:21	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	113		50-125				5/1/12 3:21		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: stove (left)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-12W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-12

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Tetrachlorobiphenyls	0.0039	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Pentachlorobiphenyls	0.0031	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Hexachlorobiphenyls	0.0021	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Total Polychlorinated biphenyls	0.0091		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 1:49	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	86.7		50-125				5/3/12 1:49		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor (middle)-duplicate

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-14W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-14

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Trichlorobiphenyls	0.0048	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Tetrachlorobiphenyls	0.0076	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Pentachlorobiphenyls	0.0067	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Hexachlorobiphenyls	0.0028	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Total Polychlorinated biphenyls	0.022		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 12:45	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	93.3		50-125				5/2/12 12:45		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: wood sill

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-15W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-15

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Tetrachlorobiphenyls	0.0030	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Pentachlorobiphenyls	0.0029	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Total Polychlorinated biphenyls	0.0059		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 13:19	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	92.5		50-125				5/2/12 13:19		

Project Location: Platt High School, Meriden, CT

Sample Description: floor adj window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-16W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-16

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Tetrachlorobiphenyls	0.0035	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Pentachlorobiphenyls	0.0022	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Total Polychlorinated biphenyls	0.0057		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 13:53	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	82.1	50-125							

Project Location: Platt High School, Meriden, CT

Sample Description: assignment table-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-17W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-17

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Tetrachlorobiphenyls	0.0042	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Pentachlorobiphenyls	0.0025	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Total Polychlorinated biphenyls	0.0067		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 14:27	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	84.9	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-18W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-18

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Tetrachlorobiphenyls	0.0037	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Total Polychlorinated biphenyls	0.0037		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 15:00	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	87.8	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: wood sill

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-19W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-19

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Tetrachlorobiphenyls	0.0041	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Pentachlorobiphenyls	0.0040	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Total Polychlorinated biphenyls	0.0081		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 15:34	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	93.2	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor- adj window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-20W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-20

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Tetrachlorobiphenyls	0.0046	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Pentachlorobiphenyls	0.0032	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Total Polychlorinated biphenyls	0.0078		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 19:37	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	92.1	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: computer desk-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-21W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-21

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:11	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	99.5	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-22W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-22

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 20:45	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	97.4	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: w. sill (slate)

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-23W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-23

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:19	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	101	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-adj window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-24W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-24

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 21:52	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	93.1	50-125							

Project Location: Platt High School, Meriden, CT

Sample Description: table-opp. window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-25W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-25

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Tetrachlorobiphenyls	0.017	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Pentachlorobiphenyls	0.0044	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Total Polychlorinated biphenyls	0.021		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/2/12 22:26	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	102	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-opp window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-26W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-26

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:00	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	99.5	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: wood counter

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-27W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-27

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Tetrachlorobiphenyls	0.0042	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Pentachlorobiphenyls	0.0020	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Total Polychlorinated biphenyls	0.0062		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 2:56	CJM
Surrogates		% Recovery	Recovery Limits		Flag				
Tetrachloro-m-xylene		96.0	50-125					5/3/12 2:56	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: metal counter

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-28W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-28

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/2/12 23:34	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	111	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor middle

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-29W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-29

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Tetrachlorobiphenyls	0.0043	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Pentachlorobiphenyls	0.0046	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Hexachlorobiphenyls	0.0021	0.0020	µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Total Polychlorinated biphenyls	0.011		µg/100 cm2	1	B	EPA 680 Modified	4/28/12	5/3/12 0:07	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	93.4		50-125				5/3/12 0:07		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: floor-adj window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-30W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-30

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 0:41	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Tetrachloro-m-xylene	94.8	50-125							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Platt High School, Meriden, CT

Sample Description: desk-opp. window

Work Order: 12D0938

Date Received: 4/26/2012

Field Sample #: 0425EMM-31W

Sampled: 4/25/2012 00:00

Sample ID: 12D0938-31

Sample Matrix: Wipe

PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Dichlorobiphenyls	ND	0.0010	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Trichlorobiphenyls	ND	0.0010	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Octachlorobiphenyls	ND	0.0030	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Decachlorobiphenyl	ND	0.0050	µg/100 cm2	1	V-20	EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Total Polychlorinated biphenyls	0.0		µg/100 cm2	1		EPA 680 Modified	4/28/12	5/3/12 1:15	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Tetrachloro-m-xylene	121		50-125				5/3/12 1:15		

Sample Extraction Data**Prep Method: SW-846 3540C-EPA 680 Modified**

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
12D0938-01 [0425EMM-01W]	B050532	1.00	1.00	04/27/12
12D0938-02 [0425EMM-02W]	B050532	1.00	1.00	04/27/12
12D0938-03 [0425EMM-03W]	B050532	1.00	1.00	04/27/12
12D0938-04 [0425EMM-04W]	B050532	1.00	1.00	04/27/12
12D0938-05 [0425EMM-05W]	B050532	1.00	1.00	04/27/12
12D0938-06 [0425EMM-06W]	B050532	1.00	1.00	04/27/12
12D0938-07 [0425EMM-07W]	B050532	1.00	1.00	04/27/12
12D0938-08 [0425EMM-08W]	B050532	1.00	1.00	04/27/12
12D0938-09 [0425EMM-09W]	B050532	1.00	1.00	04/27/12
12D0938-10 [0425EMM-10W]	B050532	1.00	1.00	04/27/12
12D0938-11 [0425EMM-11W]	B050532	1.00	1.00	04/27/12

Prep Method: SW-846 3540C-EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
12D0938-12 [0425EMM-12W]	B050564	1.00	1.00	04/28/12
12D0938-13 [0425EMM-13W]	B050564	1.00	1.00	04/28/12
12D0938-14 [0425EMM-14W]	B050564	1.00	1.00	04/28/12
12D0938-15 [0425EMM-15W]	B050564	1.00	1.00	04/28/12
12D0938-16 [0425EMM-16W]	B050564	1.00	1.00	04/28/12
12D0938-17 [0425EMM-17W]	B050564	1.00	1.00	04/28/12
12D0938-18 [0425EMM-18W]	B050564	1.00	1.00	04/28/12
12D0938-19 [0425EMM-19W]	B050564	1.00	1.00	04/28/12
12D0938-20 [0425EMM-20W]	B050564	1.00	1.00	04/28/12
12D0938-21 [0425EMM-21W]	B050564	1.00	1.00	04/28/12
12D0938-22 [0425EMM-22W]	B050564	1.00	1.00	04/28/12
12D0938-23 [0425EMM-23W]	B050564	1.00	1.00	04/28/12
12D0938-24 [0425EMM-24W]	B050564	1.00	1.00	04/28/12
12D0938-25 [0425EMM-25W]	B050564	1.00	1.00	04/28/12
12D0938-26 [0425EMM-26W]	B050564	1.00	1.00	04/28/12
12D0938-27 [0425EMM-27W]	B050564	1.00	1.00	04/28/12
12D0938-28 [0425EMM-28W]	B050564	1.00	1.00	04/28/12
12D0938-29 [0425EMM-29W]	B050564	1.00	1.00	04/28/12
12D0938-30 [0425EMM-30W]	B050564	1.00	1.00	04/28/12
12D0938-31 [0425EMM-31W]	B050564	1.00	1.00	04/28/12

QUALITY CONTROL
PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B050532 - SW-846 3540C
Blank (B050532-BLK1)

Prepared: 04/27/12 Analyzed: 04/30/12

Monochlorobiphenyls	ND	0.0010	µg/100 cm2							V-20
Dichlorobiphenyls	ND	0.0010	µg/100 cm2							V-20
Trichlorobiphenyls	ND	0.0010	µg/100 cm2							V-20
Tetrachlorobiphenyls	ND	0.0020	µg/100 cm2							
Pentachlorobiphenyls	ND	0.0020	µg/100 cm2							
Hexachlorobiphenyls	ND	0.0020	µg/100 cm2							
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2							
Octachlorobiphenyls	ND	0.0030	µg/100 cm2							
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2							
Decachlorobiphenyl	ND	0.0050	µg/100 cm2							
Total Polychlorinated biphenyls	0.0		µg/100 cm2							

Surrogate: Tetrachloro-m-xylene	0.399		µg/100 cm2	0.200		199 *	50-125			S-20
--	-------	--	------------	-------	--	-------	--------	--	--	------

LCS (B050532-BS1)

Prepared: 04/27/12 Analyzed: 04/30/12

Monochlorobiphenyls	0.19	0.0010	µg/100 cm2	0.200		95.4	40-140	50		V-06
Dichlorobiphenyls	0.19	0.0010	µg/100 cm2	0.200		95.9	40-140	50		V-06
Trichlorobiphenyls	0.19	0.0010	µg/100 cm2	0.200		93.5	40-140	50		V-06
Tetrachlorobiphenyls	0.38	0.0020	µg/100 cm2	0.400		95.1	40-140	50		
Pentachlorobiphenyls	0.38	0.0020	µg/100 cm2	0.400		93.8	40-140	50		
Hexachlorobiphenyls	0.36	0.0020	µg/100 cm2	0.400		90.1	40-140	50		
Heptachlorobiphenyls	0.55	0.0030	µg/100 cm2	0.600		92.4	40-140	50		
Octachlorobiphenyls	0.54	0.0030	µg/100 cm2	0.600		89.7	40-140	50		
Nonachlorobiphenyls	0.89	0.0050	µg/100 cm2	1.00		89.4	40-140	50		
Decachlorobiphenyl	0.88	0.0050	µg/100 cm2	1.00		87.5	40-140	50		

Surrogate: Tetrachloro-m-xylene	0.229		µg/100 cm2	0.200		115	50-125			
---------------------------------	-------	--	------------	-------	--	-----	--------	--	--	--

LCS Dup (B050532-BSD1)

Prepared: 04/27/12 Analyzed: 04/30/12

Monochlorobiphenyls	0.21	0.0010	µg/100 cm2	0.200		107	40-140	11.8	50	V-06
Dichlorobiphenyls	0.22	0.0010	µg/100 cm2	0.200		108	40-140	11.9	50	V-06
Trichlorobiphenyls	0.21	0.0010	µg/100 cm2	0.200		105	40-140	12.0	50	V-06
Tetrachlorobiphenyls	0.43	0.0020	µg/100 cm2	0.400		107	40-140	11.9	50	
Pentachlorobiphenyls	0.44	0.0020	µg/100 cm2	0.400		109	40-140	15.0	50	
Hexachlorobiphenyls	0.42	0.0020	µg/100 cm2	0.400		105	40-140	15.6	50	
Heptachlorobiphenyls	0.65	0.0030	µg/100 cm2	0.600		109	40-140	16.6	50	
Octachlorobiphenyls	0.64	0.0030	µg/100 cm2	0.600		107	40-140	17.8	50	
Nonachlorobiphenyls	1.1	0.0050	µg/100 cm2	1.00		107	40-140	17.6	50	
Decachlorobiphenyl	1.0	0.0050	µg/100 cm2	1.00		104	40-140	17.0	50	

Surrogate: Tetrachloro-m-xylene	0.209		µg/100 cm2	0.200		105	50-125			
---------------------------------	-------	--	------------	-------	--	-----	--------	--	--	--

Batch B050564 - SW-846 3540C
Blank (B050564-BLK1)

Prepared: 04/28/12 Analyzed: 05/02/12

Monochlorobiphenyls	ND	0.0010	µg/100 cm2							
Dichlorobiphenyls	ND	0.0010	µg/100 cm2							
Trichlorobiphenyls	ND	0.0010	µg/100 cm2							
Tetrachlorobiphenyls	0.0057	0.0020	µg/100 cm2							B
Pentachlorobiphenyls	0.0055	0.0020	µg/100 cm2							B
Hexachlorobiphenyls	0.0024	0.0020	µg/100 cm2							B
Heptachlorobiphenyls	ND	0.0030	µg/100 cm2							
Octachlorobiphenyls	ND	0.0030	µg/100 cm2							
Nonachlorobiphenyls	ND	0.0050	µg/100 cm2							
Decachlorobiphenyl	ND	0.0050	µg/100 cm2							
Total Polychlorinated biphenyls	0.014		µg/100 cm2							B

QUALITY CONTROL
PCB Homologues by GC/MS (Wipe) with Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B050564 - SW-846 3540C
Blank (B050564-BLK1)

Prepared: 04/28/12 Analyzed: 05/02/12

Surrogate: Tetrachloro-m-xylene	0.169		µg/100 cm2	0.200		84.3	50-125			
---------------------------------	-------	--	------------	-------	--	------	--------	--	--	--

LCS (B050564-BS1)

Prepared: 04/28/12 Analyzed: 05/02/12

Monochlorobiphenyls	0.17	0.0010	µg/100 cm2	0.200		84.8	40-140	50		
Dichlorobiphenyls	0.19	0.0010	µg/100 cm2	0.200		93.1	40-140	50		
Trichlorobiphenyls	0.18	0.0010	µg/100 cm2	0.200		91.5	40-140	50		
Tetrachlorobiphenyls	0.38	0.0020	µg/100 cm2	0.400		94.7	40-140	50		B
Pentachlorobiphenyls	0.39	0.0020	µg/100 cm2	0.400		98.3	40-140	50		B
Hexachlorobiphenyls	0.39	0.0020	µg/100 cm2	0.400		96.7	40-140	50		B
Heptachlorobiphenyls	0.59	0.0030	µg/100 cm2	0.600		98.4	40-140	50		
Octachlorobiphenyls	0.57	0.0030	µg/100 cm2	0.600		94.8	40-140	50		
Nonachlorobiphenyls	1.0	0.0050	µg/100 cm2	1.00		103	40-140	50		
Decachlorobiphenyl	1.0	0.0050	µg/100 cm2	1.00		104	40-140	50		

Surrogate: Tetrachloro-m-xylene	0.205		µg/100 cm2	0.200		102	50-125			
---------------------------------	-------	--	------------	-------	--	-----	--------	--	--	--

LCS Dup (B050564-BSD1)

Prepared: 04/28/12 Analyzed: 05/02/12

Monochlorobiphenyls	0.20	0.0010	µg/100 cm2	0.200		97.9	40-140	14.3	50	
Dichlorobiphenyls	0.21	0.0010	µg/100 cm2	0.200		103	40-140	10.4	50	
Trichlorobiphenyls	0.20	0.0010	µg/100 cm2	0.200		100	40-140	9.14	50	
Tetrachlorobiphenyls	0.41	0.0020	µg/100 cm2	0.400		104	40-140	9.07	50	B
Pentachlorobiphenyls	0.42	0.0020	µg/100 cm2	0.400		104	40-140	5.84	50	B
Hexachlorobiphenyls	0.41	0.0020	µg/100 cm2	0.400		102	40-140	5.04	50	B
Heptachlorobiphenyls	0.62	0.0030	µg/100 cm2	0.600		104	40-140	5.05	50	
Octachlorobiphenyls	0.61	0.0030	µg/100 cm2	0.600		101	40-140	6.16	50	
Nonachlorobiphenyls	1.1	0.0050	µg/100 cm2	1.00		110	40-140	6.65	50	
Decachlorobiphenyl	1.1	0.0050	µg/100 cm2	1.00		109	40-140	5.29	50	

Surrogate: Tetrachloro-m-xylene	0.222		µg/100 cm2	0.200		111	50-125			
---------------------------------	-------	--	------------	-------	--	-----	--------	--	--	--

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B	Analyte is found in the associated blank as well as in the sample.
S-20	Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS**Certified Analyses included in this Report****Analyte****Certifications****No certified Analyses included in this Report**

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

12D0938

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0374

Turnaround

- ☐ 1 Day* ☐ 3 Days* ☐ Other _____ (days)
☐ 2 Days* ☒ Standard (5 days) *Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Platt High School

Menden, CT

2011127. A2E

Con-Test

REPORT TO:

Karen Redfield

INVOICE TO:

P.O. NO.:

Andrews Architects

Sampler's Signature:

Andrews Architects

Date: 4-25-12

Source Codes:

MW=Monitoring Well PW=Potable Water S=Soil
SW=Surface Water T=Treatment Facility B=Sediment W=Waste
A=Air

X=Other

Wipe

Analysis Request

Containers

- Soil VOA Vial, [] methanol [] Na₂SO₄
Soil VOA Vial, [] water [] HCl
Glass Soil Container () oz
Glass Soil Container () oz
Other: _____
Water VOA Vial, [] As is [] H₂SO₄
Glass Amber () ml, [] As is [] H₂SO₄
Plastic - As is, [] 250 ml [] 500 [] 1000 ml
Plastic - H₂SO₄, [] 250 ml [] 500 ml
Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered
Plastic - NaOH, 250 ml

Location Comments

Rm. 132

Rm. 120

Rm. 120 (Duplex)
Rm. 18 - Home

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
1	2	3	4		
		01255MM- component	Wipe	4-25-12	p.m.
		01W w. sill (metal radiator cover)			
		02W floor - adj. window			
		03W desk - opp. window			
		04W floor - opp. window			
		05W w. sill (metal radiator cover)			
		06W floor - adj. window			
		07W desk - opp. window			
		08W floor - opp. window			
		09W w. sill (metal radiator cover)			
		10W w. sill (metal grate)			

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

Wipe Area 100 cm²



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC
Disciplines to Deliver
(860) 646-2469 • www.FandO.com

1700938

✓ 146 Hartford Road, Manchester, CT 06040
□ 56 Quarry Road, Trumbull, CT 06611
□ 1419 Richland Street, Columbia, SC 29201
□ 78 Interstate Drive, West Springfield, MA 01089

□ 50 Redfield Street, Suite 100, Boston, MA 02122
□ 275 Promenade Street, Suite 350, Providence, RI 02908
□ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0373

Turnaround

□ 1 Day* □ 3 Days* □ Other (days)
□ 2 Days* Standard (5 days) *Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Plant High School

Mendon, CT

2011127.A2E

Can-Test

REPORT TO:

Analysis Request

Containers

P.O. No.:

Sampler's Signature:

Date: 4-25-12

Source Codes:

MW=Monitoring Well
SW=Surface Water

PW=Portable Water
T=Treatment Facility
S=Soil
B=Sediment
W=Waste
A=Air

X=Other

Wipe

Item No.

Transfer Check

Sample Number

Source Code

Date Sampled

Time Sampled

Comments

1 2 3 4

04550001-

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

11W Floor - (middle)

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

12W stove (left)

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

13W counter (middle)

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

14W Floor (middle) - Outside

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

15W wood sill

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

16W Floor - adj. window

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

17W assignment table - opp. window

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

18W Floor - opp. window

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

19W wood sill

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

20W Floor - adj. window

Wipe

4-25-12

p.m.

Rm. 18 - Home Ec.

Transfer Number

Relinquished By:

Accepted By:

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

Wipe Area 100 cm²



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

1200938

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Roughneck, NY 12601

Turnaround

CHAIN-OF-CUSTODY RECORD 0375

PROJECT NAME

Platt High School

PROJECT LOCATION

Menden, CT

PROJECT NUMBER

2011127.A2E

LABORATORY

Con-Test

REPORT TO:

Karen Adfield

INVOICE TO:

P.O. NO.:

Sampler's Signature:

Date: 4-25-12

Source Codes:

PW=Portable Water
MW=Monitoring Well
SW=Surface Water
T=Treatment Facility
B=Sediment
S=Soil
W=Waste
A=Air

X=Other

WIPE

Analysis Request

Containers

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
1	2	3	4		

		01255001			
		21W computer desk - opp. window	WIPE	4-25-12	P.M.
		22W floor - opp. window			
		23W w. sink (plate)			
		24W floor - adj. window			
		25W table - opp. window			
		26W floor - opp. window			
		27W wood counter			
		28W metal counter			
		29W floor (middle)			
		30W floor - adj. window			

Soil VOA Vial, [] methanol	[] Na ₂ SO ₄
Soil VOA Vial, [] water	[] HCl
Glass Soil Container () oz	[] As is [] H ₂ SO ₄
Glass Soil Container () oz	[] 250 ml [] 500 [] 1000 ml
Other:	[] Filtered [] Unfiltered
Water VOA Vial, [] As is [] HCl	
Glass Amber () ml	
Plastic - As is, [] 250 ml [] 500 [] 1000 ml	
Plastic - H ₂ SO ₄ , [] 250 ml [] 500 [] 1000 ml	
Plastic - HNO ₃ , 250 ml [] 500 [] 1000 ml	
Plastic - NaOH, 250 ml	

Comments

Rm. 11

Cafeteria

Kitchen - Food Prep

Rm. 85 - reference

Transfer Number

Relinquished By:

Accepted By:

Date

Time

Reporting and Detection Limit Requirements:

Additional Comments:

WIPE Area 100 cm²



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

1210938

- ☒ 146 Hartford Road, Manchester, CT 06040
☐ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
☐ 275 Promenade Street, Suite 350, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD

0376

Turnaround

- ☐ 1 Day* ☐ 2 Days* ☒ 3 Days* ☐ Other _____ (days)
☐ Standard (5 days) *Surcharge Applies

PROJECT NAME

Platt High School

PROJECT LOCATION

Mendon, CT

PROJECT NUMBER

2011129, A2E

LABORATORY

Can-Test

REPORT TO:

Karson Redfield

INVOICE TO:

P.O. No.:

Sample's Signature:

Andrew Jackson

Date: 4-25-12

Source Codes:

MW=Monitoring Well PW=Potable Water S=Soil W=Waste
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other

Wipe

Analysis Request

Containers

- Soil VOA Vial, [] methanol [] water [] Na₂SO₄
Glass Soil Container () oz
Glass Soil Container () oz
Other: _____
Water VOA Vial, [] As is [] HCl [] H₂SO₄
Glass Amber () ml, [] As is [] H₂SO₄
Plastic - As is, [] 250 ml [] 500 [] 1000 ml
Plastic - H₂SO₄, [] 250 ml [] 500 ml
Plastic - HNO₃, 250 ml [] Filtered [] Unfiltered
Plastic - NaOH, 250 ml

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled
1	2	3	4		
		01ASEMM - comp	Wipe	4-25-12	pm
		31W - desk - opp. window			

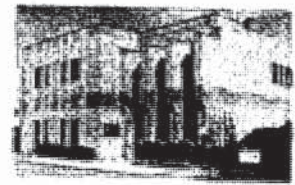
PCR Method EPH 8200C

Locher

Rm. 87 - reference

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>Andrew Jackson</i>	<i>Andrew Jackson</i>	4/26/12	2:28	
2	<i>Andrew Jackson</i>	<i>Andrew Jackson</i>	4/26/12	4:52	Wipe Area 100 cm ²
3					
4					

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neill RECEIVED BY: SD DATE: 4/26/12

- 1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No No CoC Included
2) Does the chain agree with the samples? ☒ Yes ☐ No
If not, explain:
3) Are all the samples in good condition? ☒ Yes ☐ No
If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? ☒ Yes ☐ No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.0

5) Are there Dissolved samples for the lab to filter?

Who was notified _____ Date _____ Time _____ Yes ☒ No

6) Are there any RUSH or SHORT HOLDING TIME samples?

Who was notified _____ Date _____ Time _____ Yes ☒ No

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No ☒ N/A

9) Do all samples have the proper Base pH: Yes No ☒ N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	<u>31</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 2 Sept 2011 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Appendix C

Approval Conditions

Appendix C

1) Town Notification Acceptance Letter

Administrative Offices
22 Liberty Street
P.O. Box 848
Meriden, Connecticut
06450-0848
Fax: 203-630-0110
www.meridenk12.org

BOARD OF EDUCATION

Pamela S. Bahre
Kim A. Carbone-Pandiani
Michael P. Cardona
Scott R. Hozebin
Mark A. Hughes
Robert E. Kosienski, Jr.
John D. Lineen, Jr.
Dr. Steven J. O'Donnell
Irene E. Parisi

Mark D. Benigni, Ed.D.
Superintendent of Schools
203-630-4171

Robert J. Angeli
*Associate Superintendent
for Instruction*
203-630-4185

Michael S. Grove
*Assistant Superintendent for
Finance/Administration*
203-630-4173

Thomas W. Giard III
*Assistant Superintendent for
Personnel/Staff Development*
203-630-4209

Donna Adduci Mik
*Director of Pupil Personnel
Programs*
203-630-4177

Alvin F. Larson, Ph.D.
*Research and Evaluation
Specialist*
203-630-4122

Lois B. Lehman
*Director of Curriculum and
Adult Education*
203-630-4206

March 21, 2013

Ms. Kimberly Tisa
PCB Coordinator
U.S. Environmental Protection Agency
Region 1
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912

**RE: Orville H. Platt High School, Meriden, Connecticut
PCB Cleanup and Disposal Approval**

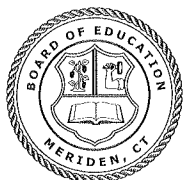
Dear Ms. Tisa:

We have received and reviewed the PCB Cleanup and Disposal Approval letter dated March 18, 2013 for the PCB Self-Implementing On-Site Cleanup and Disposal Plan prepared by Fuss & O'Neill EnviroScience, LLC with regard to the removal of PCB contaminants for the school building.

We acknowledge and accept the conditions of the approval letter and hope to move forward with this project. Currently, all work is scheduled to begin while school is out on summer vacation in 2013, 2014, 2015, and 2016.

We have attached the required certification for the laboratories, Phoenix Environmental Laboratories, Inc. and Con-Test Analytical Laboratory. The abatement contractor will be determined once the project has gone out to bid and a contractor is chosen. The contractor who is awarded the project will sign off on the SIDP and submit the required contractor work plan.

We will forward the contractor work plan prepared for the work when the abatement contractor is chosen and provide the plan prior to June 2013.



Thank you for your attention to this matter. If you have any questions with regard to the plan, please contact Carlos Texidor (ctexidor@fando.com) or (860) 510-9365.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Grove", with a stylized flourish at the end.

Michael Grove
Assistant Superintendent
for Finance and Administration

Phone: (203) 630-4173; email: michael.grove@meridenk12.org

Appendix C

2) Contractor Acceptance Letter

Acknowledgement of PCB Cleanup and Disposal Plan Approval

The undersigned has reviewed the Self-Implementing On-Site Cleanup and Disposal Plan dated October 2, 2012 with a final revision on March 2013 as prepared by Fuss & O'Neill EnviroScience, LLC for the Orville H. Platt High School (the site) located at 220 Coe Avenue in Meriden, CT, and the U.S. Environmental Protection Agency (USEPA) letter dated March 18, 2013 approving the plans with conditions.

Yankee Environmental Services, LLC.(YES) understands the requirements of the plan and the conditions and agrees to abide by the requirements of said document in the performance of the work for PCB cleanup at Orville H. Platt High School in Meriden, CT.

Steven St. Hilaire
Contractor Signature

6/3/2014
Date

Steven St. Hilaire
Contractor Printed Name

29 Esquire rd
Contractor Address

Billerica, Ma 01862
City, State and Zip


Appendix C

3) Laboratory Notification Acceptance Letter

Acknowledgement of PCB Cleanup and Disposal Plan Approval

The undersigned has reviewed the Self-Implementing On-Site Cleanup and Disposal Plan dated March 18, 2013 as prepared by Fuss & O'Neill EnviroScience, LLC for the Platt High School located at 220Coe Avenue in Meriden, CT, and the U.S. Environmental Protection Agency (USEPA) letter dated March 18, 2013 approving the plans with conditions.

Phoenix Environmental Laboratories understands the requirements of the plan and the conditions and agrees to abide by the requirements of said document in the performance of the work for PCB cleanup at Platt High School High School in Newington, CT.



Laboratory Representative Signature

3/21/13

Date

Phyllis Shiller

Laboratory Representative Printed Name

587 East Middle Turnpike

Laboratory Address

Manchester, CT 06040

City, State and Zip

Appendix C

4) Contractor Work Plan

Appendix D

Analytical Reports: Bulk Verification Sampling Results and Locations



Friday, February 07, 2014

Attn: Mr Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: PLATT HIGH SCHOOL
Sample ID#s: BG05683 - BG05686

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 07, 2014

FOR: Attn: Mr Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&O-PCB
Rush Request: Standard
P.O.#: 20111127A3E

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

Time

02/04/14 9:55
02/04/14 12:52

Laboratory Data

SDG ID: GBG05683
Phoenix ID: BG05683

Project ID: PLATT HIGH SCHOOL
Client ID: 0204144A-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<u>PCB (Soxhlet)</u>						
PCB-1016	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/06/14	AW	3540C/8082
<u>QA/QC Surrogates</u>						
% DCBP	67		%	02/06/14	AW	30 - 150 %
% TCMX	84		%	02/06/14	AW	30 - 150 %

Project ID: PLATT HIGH SCHOOL

Client ID: 0204144A-01

Phoenix I.D.: BG05683

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 07, 2014

FOR: Attn: Mr Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&O-PCB
Rush Request: Standard
P.O.#: 20111127A3E

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/04/14
02/04/14

Time

9:55
12:52

Laboratory Data

SDG ID: GBG05683
Phoenix ID: BG05684

Project ID: PLATT HIGH SCHOOL
Client ID: 0204144A-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/06/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	71	%	02/06/14	AW	30 - 150 %
% TCMX	89	%	02/06/14	AW	30 - 150 %

Project ID: PLATT HIGH SCHOOL

Client ID: 0204144A-02

Phoenix I.D.: BG05684

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

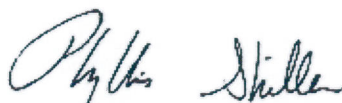
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 07, 2014

FOR: Attn: Mr Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&O-PCB
Rush Request: Standard
P.O.#: 20111127A3E

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

02/04/14
02/04/14

Time

9:55
12:52

Laboratory Data

SDG ID: GBG05683
Phoenix ID: BG05685

Project ID: PLATT HIGH SCHOOL
Client ID: 0204144A-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.64	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.64	mg/kg	02/06/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	86	%	02/06/14	AW	30 - 150 %
% TCMX	86	%	02/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 07, 2014

FOR: Attn: Mr Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&O-PCB
Rush Request: Standard
P.O.#: 20111127A3E

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

02/04/14 9:55
02/04/14 12:52

Laboratory Data

SDG ID: GBG05683
Phoenix ID: BG05686

Project ID: PLATT HIGH SCHOOL
Client ID: 0204144A-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<u>PCB (Soxhlet)</u>						
PCB-1016	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/06/14	AW	3540C/8082
<u>QA/QC Surrogates</u>						
% DCBP	79		%	02/06/14	AW	30 - 150 %
% TCMX	80		%	02/06/14	AW	30 - 150 %

Project ID: PLATT HIGH SCHOOL

Client ID: 0204144A-04

Phoenix I.D.: BG05686

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

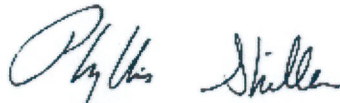
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

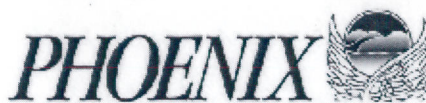
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

February 07, 2014

QA/QC Data

SDG I.D.: GBG05683

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 266011, QC Sample No: BG05382 (BG05683, BG05684, BG05685, BG05686)									
Polychlorinated Biphenyls									
PCB-1016		85	84	1.2				40 - 140	30
PCB-1221								40 - 140	30
PCB-1232								40 - 140	30
PCB-1242								40 - 140	30
PCB-1248								40 - 140	30
PCB-1254								40 - 140	30
PCB-1260		96	93	3.2				40 - 140	30
PCB-1262								40 - 140	30
PCB-1268								40 - 140	30
% DCBP (Surrogate Rec)		94	92	2.2				30 - 150	30
% TCMX (Surrogate Rec)		81	77	5.1				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate. No Blank data could be reported with this Batch of samples.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director
February 07, 2014

Sample Criteria Exceedences Report GBG05683 - FO-PCB

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: PLATT HIGH SCHOOL **Project Number:**

Laboratory Sample ID(s): BG05683, BG05684, BG05685, BG05686

Sampling Date(s): 2/4/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15
☒ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized
Signature:

Ethan Lee

Date: Friday, February 07, 2014

Printed Name: Ethan Lee

Position: Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

February 07, 2014

SDG I.D.: GBG05683

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 02/06/14-1 (BG05685, BG05686)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 2/6/2014

Instrument: Au-ecd7 02/06/14-1 (BG05683, BG05684)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 2/6/2014

QC Comments: QC Batch 266011 02/03/14 (BG05683, BG05684, BG05685, BG05686)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate. No Blank data could be reported with this Batch of samples.

QC (Batch Specific)

----- Sample No: BG05382, QA/QC Batch: 266011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 1°C.
(Note acceptance criteria is above freezing up to 6°C)



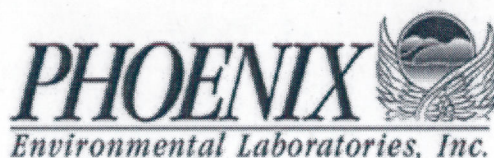
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

February 07, 2014

SDG I.D.: GBG05683



Thursday, February 27, 2014

Attn: Mr. Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Project ID: PLATT HIGH SCHOOL PHASE I
Sample ID#s: BG11908 - BG11909

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

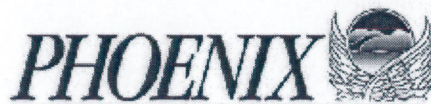
Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 27, 2014

FOR: Attn: Mr. Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&O-PCB
Rush Request: Standard
P.O.#: 20111127.A3E

Custody Information

Collected by: UA
Received by: LK
Analyzed by: see "By" below

Date

Time

02/20/14 14:00
02/24/14 8:54

Laboratory Data

SDG ID: GBG11908
Phoenix ID: BG11908

Project ID: PLATT HIGH SCHOOL PHASE I
Client ID: 022414UA-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/24/14	I	E160.3
Extraction for PCB	Completed			02/24/14	PP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/25/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/25/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	107	%	02/25/14	AW	30 - 150 %
% TCMX	94	%	02/25/14	AW	30 - 150 %

Project ID: PLATT HIGH SCHOOL PHASE I
Client ID: 022414UA-01

Phoenix I.D.: BG11908

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

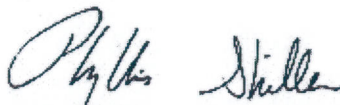
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

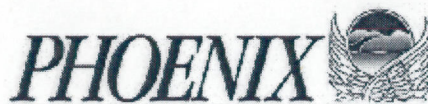
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 27, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 27, 2014

FOR: Attn: Mr. Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: SOLID
Location Code: F&O-PCB
Rush Request: Standard
P.O.#: 20111127.A3E

Custody Information

Collected by: UA
Received by: LK
Analyzed by: see "By" below

Date

Time

02/20/14 14:00
02/24/14 8:54

Laboratory Data

SDG ID: GBG11908
Phoenix ID: BG11909

Project ID: PLATT HIGH SCHOOL PHASE I
Client ID: 022414UA-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/24/14	I	E160.3
Extraction for PCB	Completed			02/24/14	PP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1221	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1232	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1242	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1248	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1254	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1260	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1262	ND	0.7	mg/kg	02/25/14	AW	3540C/8082
PCB-1268	ND	0.7	mg/kg	02/25/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	104	%	02/25/14	AW	30 - 150 %
% TCMX	95	%	02/25/14	AW	30 - 150 %

Project ID: PLATT HIGH SCHOOL PHASE I
Client ID: 022414UA-02

Phoenix I.D.: BG11909

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

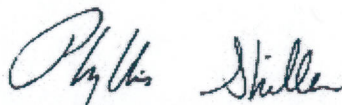
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

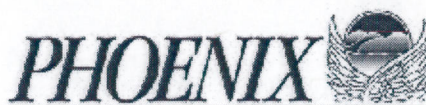
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 27, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

February 27, 2014

QA/QC Data

SDG I.D.: GBG11908

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 267369, QC Sample No: BG11845 (BG11908, BG11909)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	91	85	6.8				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	86	9.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	100	102	94	8.2				30 - 150	30
% TCMX (Surrogate Rec)	92	95	90	5.4				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
February 27, 2014

Sample Criteria Exceedences Report

GBG11908 - FO-PCB

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	----------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

Project Location: PLATT HIGH SCHOOL PHASE I **Project Number:**

Laboratory Sample ID(s): BG11908, BG11909

Sampling Date(s): 2/20/2014

RCP Methods Used:

☐ 1311/1312 ☐ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081 ☐ EPH ☐ TO15
☒ 8082 ☐ 8151 ☐ 8260 ☐ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized
Signature:

Ethan Lee

Date: Thursday, February 27, 2014

Printed Name: Ethan Lee

Position: Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

February 27, 2014

SDG I.D.: GBG11908

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd5 02/25/14-1 (BG11908, BG11909)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner

Position: Chemist

Date: 2/25/2014

QC Comments: QC Batch 267369 02/24/14 (BG11908, BG11909)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

----- Sample No: BG11845, QA/QC Batch: 267369 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 3°C.
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL

Disciplines to Deliver

(860) 646 2469 • www.FandO.com

146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02908

80 Washington Street, Suite 301, Poughkeepsie, NY 12601

CHAIN-OF-CUSTODY RECORD 23030

☐ 1 Day* ☐ 3 Days* ☒ Standard (5 days) ☐ Other _____ (days)
*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Phatt High School - Phase I

Merriden, CT

2011127.435

Phoenix Lab

REPORT TO: Carlo Tetard

Analysis Request

Containers

P.O. No.:

Sampler's Signature: *William Auguste*

Date: 2/24/14

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Sediment

A=Air

X=Other

PCB'S

Transfer Check

Item No.

1

2

3

4

Sample Number

Source Code

Date Sampled

Time Sampled

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

Appendix E

Uniform Hazardous Waste Manifest

Appendix F

Remediation Contractor's Paperwork

0013096 FP **PRSRT T8 0 1564 01862
MEE THONGSAVATH
YANKEE ENVIRONMENTAL SERVICES
29 ESQUIRE RD
NORTH BILLERICA MA 01862-2501

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the last card in a prominent place in your office or place of business.
3. The wallet card is for you to carry to your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A ASBESTOS ABATEMENT WORKER	
MEE THONGSAVATH	CERTIFICATION NO. 005913 CURRENT THROUGH 03/31/14 VALIDATION NO. 03-692960
SIGNATURE <i>Jewel Muller</i> COMMISSIONER	

Dear Licensed/Certified Professional,
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308
<http://www.dph.state.ct.us>

Sincerely,

Jewel Muller

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	
EMPLOYER'S COPY	NAME MEE THONGSAVATH CERTIFICATION NO. 005913 CURRENT THROUGH 03/31/14 PROFESSION ASBESTOS ABATEMENT WORKER
VALIDATION NO. 03-692960	SIGNATURE <i>Jewel Muller</i> COMMISSIONER

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	
WALLET CARD	NAME MEE THONGSAVATH CERTIFICATION NO. 005913 CURRENT THROUGH 03/31/14 PROFESSION ASBESTOS ABATEMENT WORKER
VALIDATION NO. 03-692960	SIGNATURE <i>Jewel Muller</i> COMMISSIONER

VORTEX

Environmental Training Center

This is to certify that

MEE THONGSAVATH

has successfully completed the requisite training for
asbestos accreditation under TSCA Title II.

**"INITIAL" ASBESTOS
SUPERVISOR / CONTRACTOR (40 hrs.)**

5/6/13-5/10/13

Date(s) of Course

CONE/MAP APPROVED

State License No:

5/10/14

Expiration Date

5/10/13 - 88%

Exam Date/Score

13475

Certificate Number

3670 West Shore Road, Unit #1, Warwick, RI 02886 1.800.VORTEX

[Signature]
Training Provider

PHYSICIAN'S WRITTEN OPINION

TO Mee Thongsavath

FROM: HUNG TRONG DO, MD, 16 BRANCH ST, LOWELL, MA 01851

DATE: 04/09/2013

SUBJECT: PHYSICIAN'S WRITTEN OPINION

In accordance with the requirements of section (m)(4) (1) of the OSHA Asbestos Standard, 29 CFR 1926.110 the examining physician will provide the employer with a written opinion which shall contain the following

- 1 This is to certify, that on this date 04/09/13, and in accordance with the OSHA Asbestos Standard, 29 CFR 1926.1101.(m)(1),(2),(3) and (4), I have examined this individual Mee Thongsavath with Social Security Number 015624276
- 2 Based on my finding, I have determined this individual may (☒) may not (☐) use a respiratory device while performing his/her required employment services
- 3 The results of my examination have not (☒) have (☐) detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos
- 4 In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical condition that may result from his/her exposure to asbestos; and
- 5 I have informed the above named individual of the health risks involved in smoking of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer

COMMENTS: FEV₁ 650^{ml}

Chest xray ordered

The complete medical examination report on the above named individual will be forwarded to the employer pending final conclusion and interpretation of any additional medical data collected during the examination

SIGNED: Hung Trong Do MD 04/09/2013

Hung Trong Do, M.D. P.C.
16 Branch Street
Lowell, MA 01851-1803
Phone 978-458-6611

YANKEE ENVIRONMENTAL SERVICES, INC.

Asbestos Removal, Lead Paint, Demolition, Etc.



RESPIRATOR FIT-TEST AND TRAINING RECORD

P.O. Box 605A
Newburyport, MA 01950
(603) 846-0254 Fax: (678) 463-2863

Employee's Name: MICHAEL THONGSAKUNT Social Security No.: 41276

Project Name: SEAWAY'S HALL Job Number: _____

RESPIRATOR FIT-TEST SUMMARY (Must be conducted for each negative pressure respirator used)

Fit-Test Date: 2.5.13 Person Conducting Fit-Test: MICHAEL THONGSAKUNT

Respirator Selected:

Manufacturer: NORTH K Model: 7200

Respirator Size: Medium NIOSH Approval No.: _____

Type of Fit-Test Conducted: Quantitative Type of Agent Used: Smoke

Was Rainbow Passage Used: ☐ Yes ☒ No Was Facepiece-to-Face Seal Obtained: ☒ Yes ☐ No

Signature of Person Conducting Fit-Test: [Signature]

RESPIRATOR TRAINING RECORD

Your signature on this Respirator Training Record will attest to your having received and understood the following respirator training information which both OSHA and YES require as a part of their Respiratory Protection Standard.

The required respirator training consists of the following:

- 1. An explanation of the problems involved in misusing or inter-changing parts of the respirator.
- 2. A discussion of why engineering controls might not prevent the use of respiratory protection.
- 3. How and why this make and model respirator was chosen for this specific project.
- 4. The limitations of this make and model respirator.
- 5. How to put on this respirator and properly adjust the facepiece and tension straps.
- 6. How to wear this respirator properly.
- 7. What the essential points of the care and maintenance of this respirator are.
- 8. How to recognize and handle emergencies which may occur while using this respirator.
- 9. How to properly inspect, clean and disinfect this respirator.
- 10. How to properly use an Air Purifying Respirator.
- 11. When a Type-C supplied-air respirator is required.
- 12. The purpose of the medical evaluation.
- 13. How YES conducts a proper respirator fit-test.
- 14. That a Powered Air Purifying respirator (PAPR) is available to you upon request, as long as it meets the protection factor for the hazard involved.

Employee's signature: [Signature] Date: 2.5.13

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

JUAN A ALMONTE

CERTIFICATION NO. 000136

CURRENT THROUGH 05/31/14

PROFESSION

ASBESTOS ABATEMENT WORKER

VALIDATION NO.

03-678019

SIGNATURE

Juan Almonte

COMMISSIONER

LAWRENCE TRAINING SCHOOL, INC.

This is to Certify

Juan A. Almonte

Has successfully completed the 8 hour course

Asbestos Worker Refresher-Spanish

pursuant to the requirements for asbestos accreditation of the TSCA, Title II



AR0413-20-JA0804

Certificate Number

APR 20, 2013

Date(s) of Training

APR 20, 2013

Date of Examination

APR 20, 2014

Expiration Date

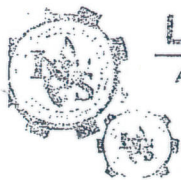
Mario Almonte

President/Director of Training

530 Broadway Street Lawrence, MA 01841 | 978-689-7370 | www.lawrencetrainingschool.com

EMPLOYERS ASBESTOS CLEARANCE LETTER

Address

**FIT TEST AND RESPIRATOR TRAINING CHECK LIST****PRUEBA DE AJUSTE DEL RESPIRADOR**

The following is a checklist that must be completed for each employee to wear a negative pressure respirator. This form is required every year on all Asbestos or Lead job sites.

I CERTIFY THAT ON THE DATE STATED BELOW I WAS TESTED FOR THE RESPIRATOR TYPE AND MODEL LISTED BELOW. I WAS ALSO GIVEN TRAINING REGARDING THE PROPER USE OF THE RESPIRATOR AND THE MAINTENANCE PROCEDURES REQUIRED.

I FURTHER CERTIFY THAT I UNDERSTAND THE TRAINING PROVIDED TO ME AND KNOW THAT THE USE OF A RESPIRATOR UNDER CONDITIONS CONTRARY TO THOSE OUTLINED AS APPROPRIATE IN THE TRAINING AND TEST SESSION MAY NOT PROVIDE ADEQUATE PROTECTION.

Qualified Instructor Signature: _____

Mario Montano

Employee/Subcontractor Signature: _____

Juan A. Almonte
Juan A. Almonte042013Date: April 20, 20131. Challenge substance: (Circle One) Irritant Smoke Oil Saccharin

2. Fit Check Procedures:

A. Negative Pressure Check

PASS FAIL

B. Positive Pressure Check

PASS / FAIL

3. Testing Procedure :

Reaction

a. Normal breathing

normal

b. Deep breathing

c. Turn head from side to side

d. Nod head up and down

e. Talking and/or counting backwards from 100

f. Jogging in place

g. Bend over and touch toes

h. Grimace and frown

i. Repeat rainbow passage

j. Breathe normally

A

4. Overall Evaluation:

PASS FAIL

5. Respirator Approvals:

Approval: LTS0413-20-JA0804Type HALF-FACESize M



EMT/ENVIRONMENTAL MANAGEMENT
TRAINING, CORPORATION

JUAN A. ALMONTE

has attended and satisfactorily passed the course:

OSHA HAZWOPER INITIAL (40 HRS)

Certificate Number: OHIS1303365

Date of Course: 03/05-08/2013

Exam Date: 03/08/2013

Expiration Date: 03/08/2014

"We certify that the above training is in
accordance with OSHA Regulation
29 CFR 1910.120."


Director of Training

65 MERRIMACK STREET, SUITE #12, LAWRENCE, MA 01843
TEL# 978-828-5328 / EMTCORP2004@AOL.COM

MASSACHUSETTS DRIVER'S LICENSE

1 USA MA

9a END NONE 4d NUMBER **S43152686**

3 DOB **05-19-1981**

15 SEX **M**

SAVANN
8 B HOUGHTON ST
LYNN, MA 01905

5 DD 05-17-2013 Rev 07-15-2009

Savann Hoeun

**Commonwealth of Massachusetts
Department of Labor Standards**

Heather E. Rowe, Director

Asbestos Worker



SAVANN HOEUN

Eff. Date 05/06/13

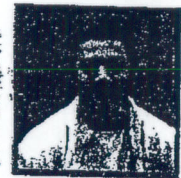
Exp. Date 05/06/14

AW004576

Member of C.O.N.E.S.

BSR

14



Boston-Renew



OSHA 002209878

U.S. Department of Labor
Occupational Safety and Health Administration

Savann D Hoeun

has successfully completed a 10-hour Occupational Safety and Health
Training Course in

Construction Safety & Health

Wendy R Johnson 2/25/2009
(Trainer) (Date)

State of Maine
Bureau of Environmental Protection

Savann Hoeun



Worker

Cert No. AW-3528

Trn.Exp.Date 05/04/2014

Expiration Date 05/31/2014

This is not a legal form of official identification.



EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

SAVANH HOELUN

CURRENT THROUGH

CERTIFICATION NO.

011926

03-678043

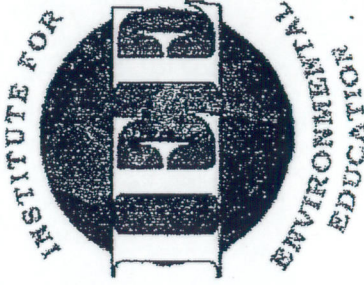
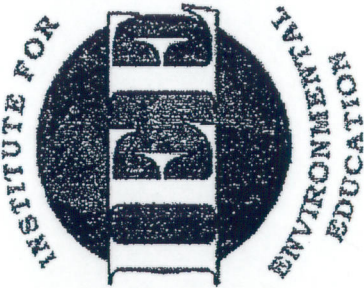
PROFESSION

ASBESTOS ABATEMENT WORKER

SIGNATURE

Joseph M. Miller

COMMISSIONER



This is to certify that

Savann D Hoeun

*has completed the requisite training, and has passed an examination for
reaccreditation as:*

Asbestos Contractor/Supervisor Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

May 4, 2013

Course Dates

13-7963-104-237861

Certificate Number

Course Location

Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

May 04, 2013

Examination Date

May 04, 2014

Expiration Date

Wentworth

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.558.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

**INSTITUTE FOR ENVIRONMENTAL
EDUCATION, INC.**

16 Upton Drive, Wilmington, MA 01887
(Phone) 978.658.5272



This is to certify that
Savann D Hoeun

*has completed the requisite training, and has passed
an examination for accreditation*

Asbestos Contractor/Supervisor

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

May 09, 2008
Examination Date

08-2959-101-237861
Certificate Number

May 5-9, 2008
Course Dates

Course Location
Institute for Environmental Education
16 Upton Drive
Wilmington, MA 01887

May 09, 2009
Expiration Date

Wentworth

Training Director

PHYSICIAN'S WRITTEN OPINION

TO SAVANN HOEUN
FROM HUNG TRONG DO, MD, 16 BRANCH ST, LOWELL, MA 01851
DATE: 05/06/2013
SUBJECT: PHYSICIAN'S WRITTEN OPINION

In accordance with the requirements of section (m)(4) (1) of the OSHA Asbestos Standard, 29 CFR 1926.110 the examining physician will provide the employer with a written opinion which shall contain the following

- 1 This is to certify, that on this date 05/06/2013, and in accordance with the OSHA Asbestos Standard, 29 CFR 1926.1101.(m)(1),(2),(3) and (4), I have examined this individual SAVANN HOEUN with Social Security Number 567-87-8032
- 2 Based on my finding, I have determined this individual may ☒ may not () use a respiratory device while performing his/her required employment services
- 3 The results of my examination have not ☒ have () detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos
- 4 In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical condition that may result from his/her exposure to asbestos; and
- 5 I have informed the above named individual of the health risks involved in smoking of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer

COMMENTS: FEV₁ 650^{ml} FEV₁ 4.5 litres
Chest X-ray ordered

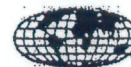
The complete medical examination report on the above named individual will be forwarded to the employer pending final conclusion and interpretation of any additional medical data collected during the examination

SIGNED: Hung Trong Do MD 05/06/2013

Hung Trong Do, M.D. P.C.
16 Branch Street
Lowell, MA 01851-1803
Phone 978-458-6611

YANKEE ENVIRONMENTAL SERVICES, INC.

Asbestos Removal, Lead Paint, Demolition, Etc.



RESPIRATOR FIT-TEST AND TRAINING RECORD

P.O. Box 6058
Newburyport, MA 01950
(800) 846-6254 Fax (978) 463-2864

Employee's Name: Savann Hoven Social Security No.: _____

Project Name: St. Mary's Job Number: _____

RESPIRATOR FIT-TEST SUMMARY (Must be conducted for each negative pressure respirator used)

Fit-Test Date: Feb. 5, 2013 Person Conducting Fit-Test: John Motto

Respirator Selected:

Manufacturer: North Model: 1/2 Face

Respirator Size: M NIOSH Approval No.: _____

Type of Fit-Test Conducted: Qualitative Type of Agent Used: Irritant smoke

Was Rainbow Passage Used: ☒ Yes ☐ No Was Facepiece-to-Face Seal Obtained: ☒ Yes ☐ No

Signature of Person Conducting Fit-Test: [Signature]

RESPIRATOR TRAINING RECORD

Your signature on this Respirator Training Record will attest to your having received and understood the following respirator training information which both OSHA and YES require as a part of their Respiratory Protection Standard.

The required respirator training consists of the following:

- o An explanation of the problems involved in misusing or inter-changing parts of the respirator.
- o A discussion of why engineering controls could not prevent the use of respiratory protection.
- o How and why this make and model respirator was chosen for this specific project.
- o The limitations of this make and model respirator.
- o How to put on this respirator and properly adjust the facepiece and tension straps.
- o How to wear this respirator properly.
- o What the essential points of the care and maintenance of this respirator are.
- o How to recognize and handle emergencies which may occur while using this respirator.
- o How to properly inspect, clean and disinfect this respirator.
- o How to properly use an Air Purifying Respirator.
- o When a Type-C supplied-air respirator is required.
- o The purpose of the medical evaluation.
- o How FEC conducts a proper respirator fit-test.
- o That a Powered Air Purifying respirator (PAPR) is available to you upon request, as long as it meets the protection factor for the hazard involved.

Employee's signature: Savann Hoven Date: 2-5-13

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
GERMAN RIVAS

VALIDATION NO.
03-692926

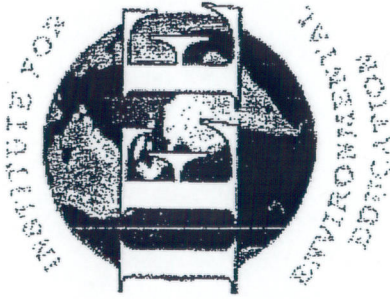
CERTIFICATION NO.
007763

CURRENT THROUGH
11/30/14

PROFESSION
ASBESTOS ABATEMENT WORKER

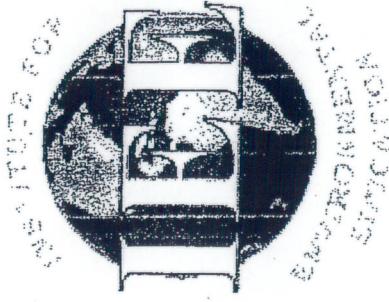
SIGNATURE
Jose M. Rivas

COMMISSIONER



This is to certify that

German Rivas-Reyes Sr



*has completed the requisite training, and has passed an examination for
reaccreditation*

Asbestos Worker Refresher: Spanish

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Northern Essex Community College
45 Franklin Street Lawrence, MA 01841

August 24, 2013

Course Dates

13-8631-152-256401

Certificate Number

August 24, 2013

Examination Date

August 24, 2014

Expiration Date

Wentworth

Training Director

10 Upton Drive, Weymouth, MA 01981 Telephone: 617-554-5272 Fax: 617-554-5273

INSTITUTE FOR ENVIRONMENTAL EDUCATION



LAWRENCE TRAINING SCHOOL, INC.

88 Franklin Street, Lawrence, MA 01841

Telephone: (978) 689-7370

This is to certify that

German Rivas Reyes

has successfully completed the 32-hour course

Asbestos Worker Initial - Spanish

pursuant to the requirements for asbestos accreditation of the TSCA, Title II

AI0810-13-GR7683

Certificate Number

AUG 10 - AUG 13, 2010

Dates of Training

AUG 13, 2010

Date of Examination

AUG 13, 2011

Expiration Date

Maria Acunato
President/Director of Training

LAWRENCE WALK-IN MEDICAL CENTER
NEVILLE NAVARATNAM, M.D.
100 Franklin Street
Lawrence, MA 01840
(978)682-8343

EMPLOYERS ASBESTOS CLEARANCE LETTER

NAME: Rivar R German S.S.#: XXX-XX-7683
DATE OF EXAM: Aug. 27th 2013 EXP. DATE: Aug. 26th 2014
AUG 27 2013

This letter confirms that the above named individual was examined in compliance with the OSHA asbestos standard (29 CFR 1926 - 1101). The required asbestos questionnaire, a medical and work history, and a complete physical examination were performed. Pulmonary function tests (PFT) were administered.

CHEST X-RAYS:

Next indicated in 20

RESULTS: Normal: ☒ Abnormal: ☐

PULMONARY FUNCTION TEST RESULTS:

Normal: ☒ Abnormal: ☐

COMMENTS:

The following conditions were identified which may place this employee at increased risk of health impairment from asbestos exposure:

The following limitations on personal protective equipment, including respirators are indicated:

- ☒ None: The patient is medically qualified to wear all personal protection equipment.
☐ Patient Limitations:

The employee has been informed of the results of the medical examination, both with regard to occupation and general medical conditions. The employee has been educated about increased risk of lung cancer. Smokers are advised regarding smoking cessation if indicated in accordance with the standard finding and diagnosis unrelated to asbestos exposure may not be communicated to the employer. Also in accordance with the Standard, a copy of this opinion is being forwarded to the employee.

Thank you for the opportunity to examine this individual.

Physician

Signature

R. N. Navaratnam, M.D.
Lawrence Walk-In Medical Center
100 Franklin Street
Lawrence, MA 01840

center

Address

978-682-8343

Phone#

978-682-8343

Spirometry Report
Puritan-Bennett Renaissance II
S/N: G040702007
Version: 1.2.0

Session Date: 27AUG2013
Session Time: 05:25PM
Last Cal Check: 01JAN2001

BEST FVC/FVL REPORT

ID: XXXXX7683
Name: RIVAS GERMAN
Gender: MALE
Medication:
Dosage:

Height: 64"
Age: 48YRS
Weight: 135LBS
Smoker: NO
Physician:
Technician:
Ethnicity/Correction: HISPANIC

Sensor Code: 05160
Temperature: 59I
Barometric Press: 523mmHg
BTPS Correction: 1.16I
Normals: KNUDSON 8:
16.0%

Clinical Format: PREMED - 05:26PM
Best Criteria:

VAL

< Indicates Below LLN

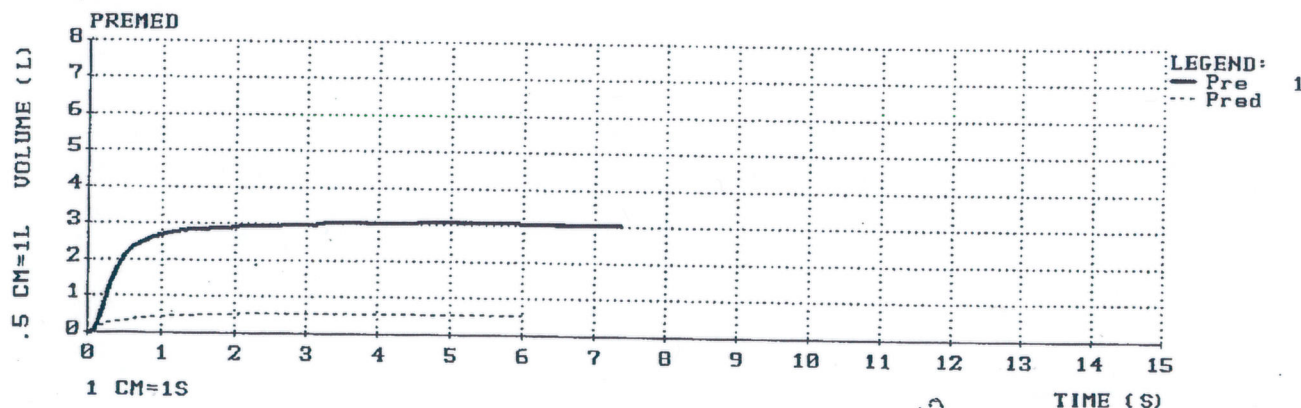
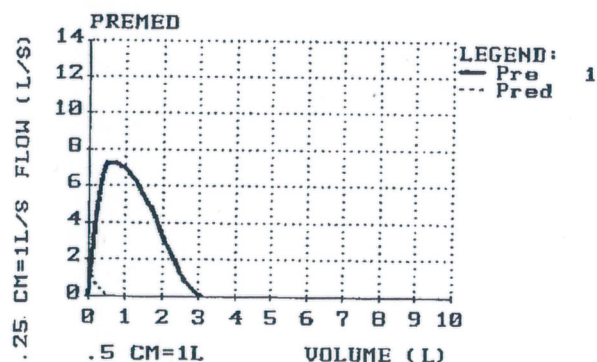
MEASUREMENT	BEST	Trial	%Pred	Pred	LLN
FVC (L)	3.14	1	553	0.57	0.42
FEV1 (L)	2.79	1	596	0.47	0.36
FEV1%	89		102	87	76
FEF25-75 (L/S)	4.13	1	812	0.51	
PEF (L/S)	7.38	1	603	1.22	
FET (S)	3.96	1			

Report Summary:

Pre Med: Tests 1 Acceptable 0 Reproducible 0 FVC VAR: FEV1 VAR: PEF VAR:

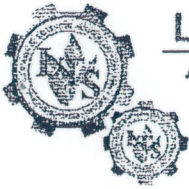
ATS Interpretation: PREMED - Normal Spirometry

Comment:



R. L. Navarathnam, M.D.

Lawrence Walk-In Medical Center
100 Franklin Street
Lawrence, MA 01840
978-682-8343

**FIT TEST AND RESPIRATOR TRAINING CHECK LIST**

PRUEBA DE AJUSTE DEL RESPIRADOR

The following is a checklist that must be completed for each employee to wear a negative pressure respirator. This form is required every year on all Asbestos or Lead job sites.

I CERTIFY THAT ON THE DATE STATED BELOW I WAS TESTED FOR THE RESPIRATOR TYPE AND MODEL LISTED BELOW. I WAS ALSO GIVEN TRAINING REGARDING THE PROPER USE OF THE RESPIRATOR AND THE MAINTENANCE PROCEDURES REQUIRED.

I FURTHER CERTIFY THAT I UNDERSTAND THE TRAINING PROVIDED TO ME AND KNOW THAT THE USE OF A RESPIRATOR UNDER CONDITIONS CONTRARY TO THOSE OUTLINED AS APPROPRIATE IN THE TRAINING AND TEST SESSION MAY NOT PROVIDE ADEQUATE PROTECTION.

Qualified Instructor Signature: *Marino Alcantara*

Employee/Subcontractor Signature: *German Rivas*

German Rivas083113

Date: **August 31, 2013**

1. Challenge substance: (Circle One) Irritant Smoke Oil Saccharin
2. Fit Check Procedures:
- A. Negative Pressure Check PASS FAIL B. Positive Pressure Check PASS / FAIL

3. Testing Procedure :

Reaction

- a. Normal breathing
- b. Deep breathing
- c. Turn head from side to side
- d. Nod head up and down
- e. Talking and/or counting backwards from 100
- f. Jogging in place
- g. Bend over and touch toes
- h. Grimace and frown
- i. Repeat rainbow passage
- j. Breathe normally

NONE

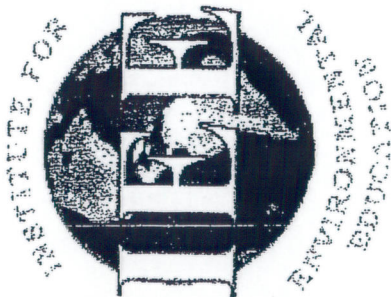
4. Overall Evaluation: PASS FAIL

5. Respirator Approvals:

Approval LTS0813-31-GR7683

Type HALF-FACE

Size M



This is to certify that
German Rivas-Reyes Sr

has attended the 8-hour course

Spanish Hazardous Waste Operations Refresher
pursuant to OSHA 29 CFR Part 1910.120

August 17, 2013

Course Dates

13-8407-982-256401

Certificate Number

Course Location

Northern Essex Community College
45 Franklin Street Lawrence, MA 01841

August 17, 2013

Examination Date

August 17, 2014

Expiration Date

Wentworth

Training Director

16 Gower Drive, W.ilmington, MA 01887

Telephone: 978-686-5272

Fax: 978-686-5272

INSTITUTE FOR ENVIRONMENTAL EDUCATION



EMT/ENVIRONMENTAL MANAGEMENT
TRAINING, CORPORATION

GERMAN RIVAS REYES

has attended and satisfactorily passed the course:

OSHA HAZWOPER INITIAL (40 HRS)

Certificate Number: OHIS1005132

Date of Course: 05/10-13/2010

Exam Date: 05/13/2010

Expiration Date: 05/13/2011

"We certify that the above training is in
accordance with OSHA Regulations
29 CFR 1910.120 and 1926.65."

Franklyn Rodriguez
Director of Training

65 MERRIMACK STREET, SUITE #12, LAWRENCE, MA 01843
TEL# 978-828-5328 / EMTCORP2004@AOL.COM

Rimethy Sag
has attended and satisfactorily
passed the course

4th Mr. Asbestos Abatement Supervisor/Contractor

conducted by

ATC/DENNISON ENVIRONMENTAL SERVICES, INC.
ENVIRONMENTAL TRAINING CENTER

600 West Cummings Park, Suite 6500
Woburn, Massachusetts 01801
(617) 932-9400

4120

Certificate Number

June 17-21, 1996

Date of Course

80%

Grade

June 21, 1997

Expiration Date

"We certify that the above
training complies with all
applicable requirements of
Title II of TSCA, 40 CFR
part 763, Appendix C to
Subpart E, as revised and
any other applicable fed-
eral, state or local
requirements."

Paul A. Comari

Director of Training

David C. Depina

New England Regional Manager

0013098 FP **PRSRT 18 0 1664 01862
RIVETH SAY
YANKEE ENVIRONMENTAL SERVICES
29 ESQUIRE RD
NORTH BILLERICA MA 01862-2501

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

Dear Licensed/Certified Professional,
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308
<http://www.dph.state.ct.us>

Sincerely,

Jewel Mullen

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME: RIVETH SAY
VALIDATION NO: 03-692963
CERTIFICATION NO: 004321
CURRENT THROUGH: 07/31/14
PROFESSION: ASBESTOS ABATEMENT SUPERVISOR

SIGNATURE: *Jewel Mullen*
COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME: RIVETH SAY
VALIDATION NO: 03-692963
CERTIFICATION NO: 004321
CURRENT THROUGH: 07/31/14
PROFESSION: ASBESTOS ABATEMENT SUPERVISOR

SIGNATURE: *Jewel Mullen*
COMMISSIONER

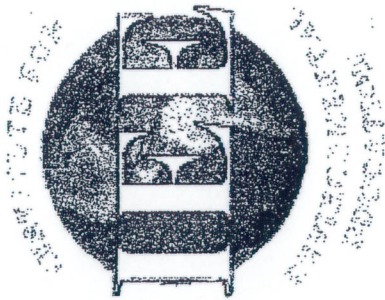
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
ASBESTOS ABATEMENT SUPERVISOR

RIVETH SAY

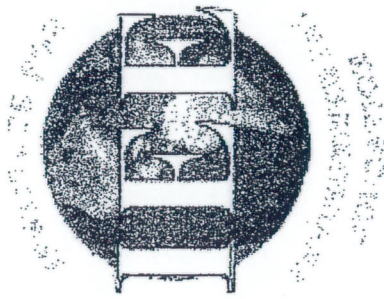
CERTIFICATION NO: 004321
CURRENT THROUGH: 07/31/14
VALIDATION NO: 03-692963

SIGNATURE: *Jewel Mullen*
COMMISSIONER



This is to certify that

Riyeth Say



*has completed the requisite training, and has passed an examination for
reaccreditation as:*

Asbestos Contractor/Supervisor Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

June 19, 2013

Course Dates

13-7969-104-227100

Certificate Number

Course Location

**Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887**

June 19, 2013

Examination Date

June 19, 2014

Expiration Date

Wentworth

Training Director

INSTITUTE FOR ENVIRONMENTAL EDUCATION

PHYSICIAN ' S WRITTEN OPINION

TO Riyeth Say

FROM: HUNG TRONG DO, MD, 16 BRANCH ST, LOWELL, MA 01851

DATE: 08/24/2013

SUBJECT: PHYSICIAN'S WRITTEN OPINION

In accordance with the requirements of section (m)(4) (1) of the OSHA Asbestos Standard, 29 CFR 1926.110 the examining physician will provide the employer with a written opinion which shall contain the following

- 1 This is to certify, that on this date 08/24/13, and in accordance with the OSHA Asbestos Standard, 29 CFR 1926.1101.(m)(1),(2),(3) and (4), I have examined this individual Riyeth Say with Social Security Number 552711191
- 2 Based on my finding, I have determined this individual may (☒) may not () use a respiratory device while performing his/her required employment services
- 3 The results of my examination have not (☒) have () detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos
- 4 In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical condition that may result from his/her exposure to asbestos; and
- 5 I have informed the above named individual of the health risks involved in smoking of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer

COMMENTS: FEV₁ 600^{ml} FVC 3.90 litres
Chest X-ray ordered

The complete medical examination report on the above named individual will be forwarded to the employer pending final conclusion and interpretation of any additional medical data collected during the examination

SIGNED: Hung Trong Do 08/24/13

Hung Trong Do, M.D. P.C.
16 Branch Street
Lowell, MA 01851-1803
Phone 978-458-6611

YANKEE ENVIRONMENTAL SERVICES, INC.

Asbestos Removal, Lead Paint, Demolition, Etc.



RESPIRATOR FIT-TEST AND TRAINING RECORD

P.O. Box 6058
Newburyport, MA 01950
(800) 846-6254 Fax (978) 463-3864

Employee's Name: Riyeth Say Social Security No.: 552-71-191
Project Name: F.M. GLOBAL Job Number: _____

RESPIRATOR FIT-TEST SUMMARY (Must be conducted for each negative pressure respirator used)

Fit-Test Date: 9-6-13 Person Conducting Fit-Test: JEFFREY ST. CLARE

Respirator Selected:

Manufacturer: North Model: Full Face

Respirator Size: 17 NIOSH Approval No.: _____

Type of Fit-Test Conducted: QUALITATIVE Type of Agent Used: IRRITANT SMOKE

Was Rainbow Passage Used: ☒ Yes ☐ No Was Facepiece-to-Face Seal Obtained: ☒ Yes ☐ No

Signature of Person Conducting Fit-Test: _____

RESPIRATOR TRAINING RECORD

Your signature on this Respirator Training Record will attest to your having received and understood the following respirator training information which both OSHA and YES require as a part of their Respiratory Protection Standard.

The required respirator training consists of the following:

- o An explanation of the problems involved in misusing or inter-changing parts of the respirator.
- o A discussion of why engineering controls could not prevent the use of respiratory protection.
- o How and why this make and model respirator was chosen for this specific project.
- o The limitations of this make and model respirator.
- o How to put on this respirator and properly adjust the facepiece and tension straps.
- o How to wear this respirator properly.
- o What the essential points of the care and maintenance of this respirator are.
- o How to recognize and handle emergencies which may occur while using this respirator.
- o How to properly inspect, clean and disinfect this respirator.
- o How to properly use an Air Purifying Respirator.
- o When a Type-C supplied-air respirator is required.
- o The purpose of the medical evaluation.
- o How FEC conducts a proper respirator fit-test.
- o That a Powered Air Purifying respirator (PAPR) is available to you upon request, as long as it meets the protection factor for the hazard involved.

Employee's signature: _____

Date: 9-6-13

MASSACHUSETTS DRIVER'S LICENSE

06-17-2013 07-07-2018 07-07-1954 S26606945

RIYETH
67 PROCTOR ST
SALEM, MA 01970-2168

DD 06-18-2013 Rev 05-2009

Commonwealth of Massachusetts
Department of Labor Standards
Heather E. Rowe, Director
Asbestos Supervisor

RIYETH SAY
Exp. Date 06/24/13
Exp. Date 06/24/14
AS081766
Member of C.O.N.E.S.
BOSR

14

BOSTON-RENEW

LABORERS' INTERNATIONAL UNION OF NORTH AMERICA

MEMBERSHIP CARD

RIYETH SAY

07-07-1954

OSHA 000914456

U.S. Department of Labor
Occupational Safety and Health Administration

Riyeth Say

has successfully completed a 10-hour Occupational Safety and Health Training Course in

Construction Safety & Health

Noel C. Woolley **01/28/06**

(Trainer) (Date)

PERMIT-REQUIRED CONFINED SPACE WORKER TRAINING COURSE

PLACE PHOTO HERE

RIYETH SAY
S.S.N: 552-71-1191
CERTIFICATION #: 55271119151510201
DATE COMPLETED: 02-13-01
TRAINER INITIALS: JD

THIS CERTIFICATE INDICATES SUCCESSFUL COMPLETION OF TRAINING AS REQUIRED BY OSHA 29CFR 1910.146

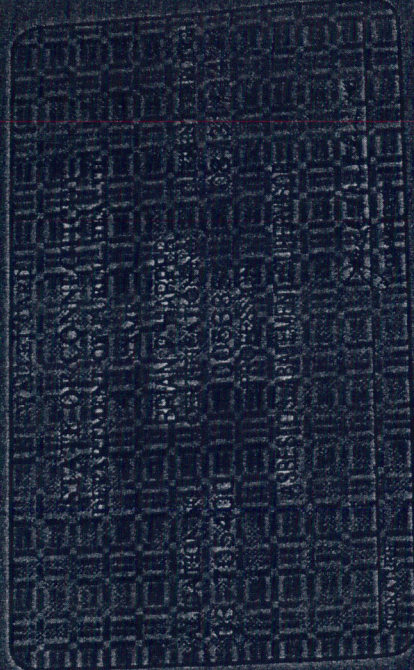
HAZARD WASTE WORKER REFRESHER TRAINING COURSE

RIYETH SAY
Certificate Number: 119141331012
S.S.#: XXX-XX-1191
Completed Initial Course: 2.16.2001
Refresher Completed: 10.23.2012
Refresher Date: 10.23.2013

COMPLIES WITH OSHA 29 CFR 1910.120.

The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.





This is to certify that

Brian P Harper



*has completed the requisite training, and has passed an examination for
reaccreditation as:*

Asbestos Contractor/Supervisor Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

July 19, 2013

Course Dates

13-8486-104-250312

Certificate Number

July 19, 2013

Examination Date

July 19, 2014

Expiration Date

Wentworth

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

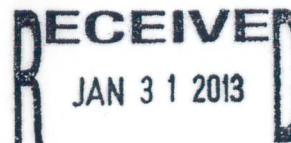
Claim Number:

Concentra Medical Centers (Mass)

Service Date: 01/04/2013

66B Concord St WILMINGTON, MA 01887
Phone: (978) 657-3826 Fax: (978) 657-5705

Non-Injury Work Status Report



Patient: Harper, Brian

SSN: XXX-XX-5852

Address: 9 Harvard Street

NORTH CHELMSFORD, MA 0186

Home: (978) 815-8033

Work: Ext.:

Employer Location: North American Site Develop

Address:

1365 Main St

Waltham, MA 024511624

Auth. by:

BY: _____

Contact: Leslie Gabriel

Role: Primary Contact

Phone: (781) 250-6637 Ext.:

Fax:

This Visit:

Time In: 12:46 pm

Time Out: 02:51 pm

Visit Type: New

Asbestos Physical with Hoist

OSHA Respirator Questionnaire

Pulmonary Function Test

X-Ray B-Read/Interpretation

Asbestos Physical Periodic

Result Status:

Able to perform essential functions

No medical restrictions

Remarks: TWO YEAR CARD ISSUED. NO RESTRICTIONS ON RESPIRATOR USE. DJ

CONCENTRA
66 B Concord Street
Wilmington, Ma. 01887
P - 978-657-3826
F - 978-657-5705

EXAMINATION REPORT

NAME: Brian Harper SSN: 010 585852 Exam date: 1.4.13

This letter confirms completion of a surveillance examination of the above individual. Detailed occupational & environmental histories were performed with particular attention to safe work practices and occupational exposures. A complete physical examination was performed with particular attention to occupational exposures and to the use of the use of respirators and other personal protective equipment. This examination complies with the OSHA Standards for Hazardous Waste Operations (1910.120) and Respiratory Protection (1910.134).

Laboratory testing included:

N = test result was normal

AB = test result was abnormal

ND = test was not done

	N	AB	ND		N	AB	ND
Urine Dip Stick	—	—	—	RBC Cholinesterase	—	—	—
Lead / ZPP	—	—	—	Heavy Metal Screen	—	—	—
Chest X-Ray	✓	—	—	PCB Level	—	—	—
Pulmonary Function Test	✓	—	—	Chemistry Battery	—	—	—
EKG	—	—	—	Methemoglobin	—	—	—
Complete Blood Count	—	—	—	Lyme Disease Titer	—	—	—
Arsenic Blood	—	—	—	Thyroid Test	—	—	—
Mercury Blood	—	—	—	Nickel (Urine)	—	—	—
Urine Chromium	—	—	—	Mercury (Urine)	—	—	—
Audiogram	—	—	—	Speciated Arsenic (Urine)	—	—	—

A tetanus shot was administered, which will be good for ten years, except for grossly contaminated wounds between years 5 & 10. Yes
No

The following conditions were identified which place the employee at increased risk of adverse health effects from hazardous waste work:
Findings: _____ None: ✓

The following limitations are indicated on personal protective equipment and/or assigned work:
Findings: _____ None: ✓

Recommended supervisor / employer actions based on this examination:
Findings: _____ None: ✓

The employee has been informed of the medical examinations results and any recommended follow up with regard to both occupational and general medical conditions. In accordance with the Standard, a copy of this opinion is being forwarded to the employee. Also in accordance with the Standard, findings and diagnoses unrelated to occupational exposure may not be communicated with the employer.

✓ Based on the examination, this employee shows no evidence of occupational toxicity.

Thank you for your confidence in referring this patient to us.

James Vanner
Examining Physician

[Signature]
Signature

Concentra Medical Centers (Mass)66B Concord St WILMINGTON, MA 01887
Phone: (978) 657-3826 Fax: (978) 657-5705**EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION****EMPLOYER TO COMPLETE THE FOLLOWING :**Employee Name: Harper, BrianEmployer: NASDI LLC

Check Type of Respirator(s) To Be Used (Check ☒ ALL that apply)

☐ Air-purifying (non-powered) ☐ Air-purifying (powered)
☐ Atmosphere supplying Respirator
☐ Combination air-line and SCBA
☐ Continuous-Flow Respirator
☐ Supplied-Air Respirator
☐ Open Circuit SCBA ☐ Closed Circuit SCBA
☐ Dust Mask ☐ 1/2 Face with Canisters ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions
(Check ☒ ALL That Apply When Wearing Respirator)

☐ High Places ☐ Enclosed Places ☐ Protective Clothing
☐ Temperature Extremes ☐ Mostly Cold ☐ Mostly Hot
☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

DO NOT WRITE BELOW THIS LINE

Address:

9 Harvard StreetNORTH CHELMSFORD MA 01863Employee SSN: XXX-XX-5852**Extent of Usage** (Check ☒ ALL that apply)

☐ On a daily basis _____ Total Hours
☐ Occasionally - but not more than twice a week _____ Total Hours
☐ Rarely - or for Emergency situations only _____ Total Hours

Expected Physical Effort Required (Check ☒ ALL that apply)

☐ Light ☐ Moderate ☐ Heavy

Exposure to Hazardous Materials (Check ☒ ALL that apply)

☐ Arsenic ☐ Benzene
☐ Coke Oven ☐ Cotton Seed / Dust
☐ Cadmium ☐ Formaldehyde
☐ Methylene Chloride ☐ Lead
☐ Textiles ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____

Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE

DO NOT WRITE BELOW THIS LINE

PLHCP¹ WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)**PHYSICIAN WILL COMPLETE THE FOLLOWING**

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on separate forms, in separate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ☒ ALL that apply)

☐ Employee must schedule a medical examination with Concentra Medical Centers (Mass) prior to respirator approval and usage.

☒ Class I - No Restrictions on Respirator Use☐ Class II - Some Specific Use Restrictions☐ Class III - Respirator Use is NOT PERMITTED☐ Further Testing / Evaluation is Required, 2☐ Fit Test Required☐ Fit Test Performed Unsatisfactorily☐ Special prescription eyewear needed to accommodate respirator☐ Facial hair needs to be shaved to assure tight seal on certain face masks.☐ Physician or other Licensed Healthcare Professional☐ Employee must seek further medical evaluation by a private physician who must submit a report to Concentra Medical Centers (Mass) of his/her findings to☐ To be used for Emergency Response or Escape Only☐ Other: _____☐ Fit Test Performed Satisfactorily☒ Fit Test NOT Performed at: Concentra Medical Centers (M)☐ Special prescription eyewear needed to accommodate respirator**(Check ☒ ALL that apply)**

☒ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.

☒ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature

Physician's License Number (Optional in Most States)

Physician's Name (Printed)

Date of Exam

Expires On

Concentra Medical Centers (Mass)

66B Concord St WILMINGTON, MA 01887
Phone: (978) 657-3826 Fax: (978) 657-5705

Service Date: 01/04/2013
Patient Name: Harper, Brian
SSN: 010-58-5852

Medical Examination Report FOR COMMERCIAL DRIVER FITNESS DETERMINATION

1. DRIVER'S INFORMATION Driver completes this section							
Driver's Name (Last, First, Middle) Harper, Brian		Social Security No. 010-58-5852	Birth Date 07/08/1977	Age 35	Sex <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> New Certification <input checked="" type="checkbox"/> Recertification <input type="checkbox"/> Follow Up	Date of Exam 01/04/2013
Address: 9 Harvard Street		City, State, ZIP Code NORTH CHELMSFORD, MA 01861	Work Tel: Home Tel: (978) 815-8033	Driver's License No. S44218244		License Class <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> Other	State of Issue
2. HEALTH HISTORY Driver completes this section, but medical examiner is encouraged to discuss with driver.							
Yes No <input checked="" type="checkbox"/> Any illness or injury in last 5 years? <input checked="" type="checkbox"/> Head/Brain injuries, disorders or illnesses <input checked="" type="checkbox"/> Seizures, epilepsy - If Yes, list medications: <input checked="" type="checkbox"/> Eye disorders or impaired vision (except corrective lenses) <input checked="" type="checkbox"/> Ear disorders, loss of hearing or balance <input checked="" type="checkbox"/> Heart disease or heart attack; other cardiovascular condition If Yes, list medications: <input checked="" type="checkbox"/> Heart surgery (valve replacement/bypass, angioplasty, pacemaker) <input checked="" type="checkbox"/> High blood pressure - If Yes, list medications: <input checked="" type="checkbox"/> Muscular disease				Yes No <input checked="" type="checkbox"/> Shortness of breath <input checked="" type="checkbox"/> Lung disease, emphysema, asthma, chronic bronchitis <input checked="" type="checkbox"/> Kidney disease, dialysis <input checked="" type="checkbox"/> Liver disease <input checked="" type="checkbox"/> Digestive problems <input checked="" type="checkbox"/> Diabetes or elevated blood sugar controlled by: <input type="checkbox"/> diet <input type="checkbox"/> pills <input type="checkbox"/> insulin <input type="checkbox"/> Nervous or psychiatric disorders, e.g., severe depression If Yes, list medications: <input type="checkbox"/> Loss of, or altered consciousness <input checked="" type="checkbox"/> Surgery			
Yes No <input type="checkbox"/> Fainting, dizziness <input checked="" type="checkbox"/> Sleep disorders, pauses in breathing while asleep, daytime sleepiness, loud snoring <input type="checkbox"/> Stroke or paralysis <input type="checkbox"/> Missing or impaired hand, arm, foot, leg, finger, toe <input type="checkbox"/> Spinal injury or disease <input type="checkbox"/> Chronic low back pain <input type="checkbox"/> Regular, frequent alcohol use <input type="checkbox"/> Narcotic or habit forming drug use							
For any YES answer, indicate onset date, diagnosis, treating physician's name and address, and any current limitation. List all medications (including over-the-counter medications) used regularly or recently.							

I certify that the above information is complete and true. I understand that inaccurate, false or missing information may invalidate the examination and my Medical Examiner's Certificate. I authorize Concentra Health Services Inc., its subsidiaries, divisions and related entities (collectively "Concentra") to provide all or any of my medical records to my employer and release Concentra, its employees, physicians, nurses, technicians and any other employee from any and all liabilities, claims, or causes of action that may result from this authorization.

B. Harper
Driver's Signature

1-4-13
Date

Medical Examiner's Comments on Health History (The medical examiner must review and discuss with the driver any "yes" answers and potential hazards of medications, including over-the-counter medications, while driving. This discussion must be documented below.)

No med, no other, followed by PCP

Testing (Medical Examiner completes Section 3 through 7)

3. VISION Standard: At least 20/40 acuity (Snellen) in each eye with or without correction. At least 70° peripheral in horizontal meridian measured in each eye. The use of corrective lenses should be noted on the Medical Examiner's Certificate.			
INSTRUCTIONS: When other than the Snellen chart is used, give test results in Snellen-comparable values. In recording distance vision, use 20 feet as normal. Report visual acuity as a ratio with 20 as numerator and the smallest type read at 20 feet as denominator. If the applicant wears corrective lenses, these should be worn while visual acuity is being tested. If the driver habitually wears contact lenses, or intends to do so while driving, sufficient evidence of good tolerance and adaptation to their use must be obvious. Monocular drivers are not qualified.			
ACUITY	UNCORRECTED	CORRECTED	HORIZONTAL FIELD OF VISION
Right Eye	20/25	20/	Right Eye 90
Left Eye	20/25	20/	Left Eye 90
Both Eyes	20/25	20/	
Applicant can recognize and distinguish among traffic control signals and devices showing standard red, green, and amber colors? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Applicant meets visual acuity requirement only when wearing: <input type="checkbox"/> Corrective Lenses Monocular Vision: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Date of Examination	Name of Ophthalmologist or Optometrist (Print)	Tel No.	License No/State of Issue	Signature
---------------------	--	---------	---------------------------	-----------

4. HEARING Standard: a) Must first perceive forced whispered voice >= 5 ft., with or without hearing aid, or b) average hearing loss in better ear <= 40 dB. Check if hearing aid used for tests. Check if hearing aid required to meet standard.						
INSTRUCTIONS: To convert audiometric test results from ISO to ANSI. -14 dB from ISO for 500Hz, -10 dB for 1,000Hz, -8.5 dB for 2,000Hz. To average, add the readings for 3 frequencies tested and divide by 3.						
Numerical reading must be recorded.						
a) Record distance from individual at which forced whispered voice can first be heard.		Right Ear 5 1 Feet	Left Ear 5 1 Feet	b) If audiometer is used, record hearing loss in decibels. (acc. to ANSI Z24.5-1951)		
		500 Hz	1000 Hz	2000 Hz	500 Hz	1000 Hz 2000 Hz
		Average:			Average:	

5. BLOOD PRESSURE / PULSE RATE Numerical readings must be recorded. Medical examiner should take at least 2 readings to confirm blood pressure.			
Blood Pressure	Systolic 130	Diastolic 80	
Driver qualified if <= 140/90.			
Pulse Rate: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Irregular			
Record Pulse Rate: 62			
Is post exercise required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Pulse Rate after 2 mins exercise bpm			
Exercise Type			
Reading	Category	Expiration Date	Recertification
140-159/90-99	Stage 1	1 year	1 year if <= 140/90 One-time certificate for 3 months if 141-159/91-99
160-179/100-109	Stage 2	One-time certificate for 3 months	1 year from date of exam if <= 140/90
>= 180/110	Stage 3	Disqualified 6 months from date of exam if <= 140/90	6 months if <= 140/90

Concentra Medical Centers (Mass)

66B Concord St WILMINGTON, MA 01887
Phone: (978) 657-3826 Fax: (978) 657-5705

Service Date: 01/04/2013
Patient Name: Harper, Brian
SSN: 010-58-5852

Medical Examination Report FOR COMMERCIAL DRIVER FITNESS DETERMINATION

6. LABORATORY AND OTHER TEST FINDINGS

Numerical reading must be recorded.

Urinalysis is required. Protein, blood or sugar in the urine may be an indication for further testing to rule out any underlying medical problem.

Other Testing (Describe and record)

URINE SPECIMEN	SP. GR	PROTEIN	BLOOD	SUGAR
	1.015	NEG	NEG	NEG

7. PHYSICAL EXAMINATION

Height 105 (in.)

Weight 189 (lbs)

The presence of a certain condition may not necessarily disqualify a driver, particularly if the condition is controlled adequately, is not likely to worsen or is readily amenable to treatment. Even if a condition does not disqualify a driver, the medical examiner may consider deferring the driver temporarily. Also, the driver should be advised to take the necessary steps to correct the condition as soon as possible particularly if the condition, if neglected, could result in more serious illness that might affect driving.

Check YES if there are any abnormalities. Check NO if the body system is normal. Discuss any YES answers in detail in the space below, and indicate whether it would affect the driver's ability to operate a commercial motor vehicle safely. Enter applicable item number before each comment. If organic disease is present, note that it has been compensated for. See *Instructions To The Medical Examiner* for guidance.

BODY SYSTEM	CHECK FOR:	YES *	NO	BODY SYSTEM	CHECK FOR:	YES *	NO
1. General Appearance	Marked overweight, tremor, signs of alcoholism, problem drinking, or drug abuse.		<input checked="" type="checkbox"/>	7. Abdomen and Viscera	Enlarged liver, enlarged spleen, masses, bruits, hernia, significant abdominal wall muscle weakness.		<input checked="" type="checkbox"/>
2. Eyes	Pupillary equality, reaction to light, accommodation, ocular motility, ocular muscle imbalance, extraocular movement, nystagmus, exophthalmos. Ask about retinopathy, cataracts, aphakia, glaucoma, macular degeneration and refer to a specialist if appropriate.		<input checked="" type="checkbox"/>	8. Vascular	Abnormal pulse and amplitude, carotid or arterial bruits, varicose veins.		<input checked="" type="checkbox"/>
3. Ears	Scarring of tympanic membrane, occlusion of external canal, perforated eardrums.		<input checked="" type="checkbox"/>	9. Genito-urinary	Hernias.		<input checked="" type="checkbox"/>
4. Mouth and Throat	Irremediable deformities likely to interfere with breathing or swallowing.		<input checked="" type="checkbox"/>	10. Extremities - Limb	Loss or impairment of leg, foot, toe, arm, hand, finger. Perceptible limp, deformities, atrophy, weakness, paralysis, clubbing, edema, hypotonia. Insufficient grasp and prehension in upper limb to maintain steering wheel grip. Insufficient mobility and strength in lower limb to operate pedals properly.		<input checked="" type="checkbox"/>
5. Heart	Murmurs, extra sounds, enlarged heart, pacemaker, implantable defibrillator.		<input checked="" type="checkbox"/>	11. Spine, other musculoskeletal	Previous surgery, deformities, limitation of motion, tenderness.		<input checked="" type="checkbox"/>
6. Lungs and chest, not including breast examination	Abnormal chest wall expansion, abnormal respiratory rate, abnormal breath sounds including wheezes or alveolar rales, impaired respiratory function, dyspnea, cyanosis. Abnormal findings on physical exam may require further testing such as pulmonary tests and/or x-ray of chest.		<input checked="" type="checkbox"/>	12. Neurological	Impaired equilibrium, coordination or speech pattern; paresthesia, asymmetric deep tendon reflexes, sensory or positional abnormalities, abnormal patellar and Babinski's reflexes, ataxia.		<input checked="" type="checkbox"/>

* COMMENTS: (explain all YES answers):

Note certification status here. See *Instructions to the Medical Examiner* for guidance.

- ☒ Meets standards in 49 CFR 391.41; qualifies for 2 year certificate
☐ Does not meet standards
☐ Meets standards, but periodic evaluation required.

Due to _____ driver qualified only for:

- ☐ 3 months ☐ 6 months ☐ 1 year
☐ Other _____

☐ Temporarily disqualified due to (condition or medication): _____

Return to medical examiner's office for follow up on _____

- ☐ Wearing corrective lenses
☐ Wearing hearing aid
☐ Accompanied by a _____ waiver/exemption. Driver must present exemption at time of certification.
☐ Skill Performance Evaluation (SPE) Certificate
☐ Driving within an exempt intracity zone. (See 49 CFR 391.62)
☐ Qualified by operation of 49 CFR 391.64

Medical Examiner's Signature: Annette Okereke
Medical Examiner's Name (print): Annette Okereke
Address: 66B Concord St WILMINGTON, MA 01887
Telephone Number: (978) 657-3826

If meets standards, complete a Medical Examiner's Certificate according to 49 CFR 391.43(h). (Driver must carry certificate when operating a commercial vehicle.)

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined Harper, Brian

Safety Regulations (49 CFR 391.41-391.49) and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- ☐ wearing corrective lenses
☐ wearing hearing aid
☐ accompanied by a _____ waiver/exemption

- ☐ driving within an exempt intracity zone (49 CFR 391.62)
☐ accompanied by a Skill Performance Evaluation Certificate (SPE)
☐ Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete examination form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER

MEDICAL EXAMINER'S NAME (PRINT)

MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO.

SIGNATURE OF DRIVER

ADDRESS OF DRIVER

9 Harvard Street NORTH CHELMSFORD, MA 01863

MEDICAL CERTIFICATE EXPIRATION DATE

TELEPHONE

(978) 657-3826

DATE

01/04/2013

- ☐ MD ☐ DO
☐ Physician Assistant

- ☐ Chiropractor
☒ Advance Practice Nurse

ISSUING STATE

MA

DRIVER'S LICENSE NO.

544218244

STATE

MA

1/4/2015

CONCENTRA Medical Centers
MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined X Brian Harper in accordance with FMCSR 49 CFR 391.41-391.49 and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- ☐ Wearing Corrective Lenses
☐ Wearing Hearing Aid
☐ Accompanied by a _____ waiver/exemption
☐ Driving within an exempt intracity zone (49 CFR 391.62)
☐ Accompanied by a Skill Performance Evaluation Certificate
☐ Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete exam form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER <u>Hanette Oberbe NP</u>		TELEPHONE NO. <u>986573888</u>	DATE <u>1-18-13</u>
MEDICAL EXAMINER'S NAME (Print) <u>Hanette Oberbe NP</u>		<input type="checkbox"/> MD <input type="checkbox"/> DO	<input type="checkbox"/> Advanced Practice Nurse <input type="checkbox"/> Physician's Assistant
MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO. / ISSUING STATE <u>2N2H7718 / MA</u>		DRIVER'S LICENSE NO. <u>X 544218244</u>	
SIGNATURE OF DRIVER <u>B. Harper</u>		STATE <u>MA</u>	
DRIVER'S ADDRESS (Street, City, State, Zip Code) <u>91 Harvard St N Chelmsford MA 01863</u>		MED. QERT. EXPIRATION DATE <u>1-1-15</u>	

NOTE: Driver MUST carry a copy of this certificate when operating a commercial motor vehicle in accordance with 49 CFR 391.41 (a)

CNC0000400

**NASDI****QUALITATIVE RESPIRATOR FIT TEST**

This Respirator Fit Test is valid for the period of 12 months from the date of the test.

NAME Brian HarperDATE OF BIRTH 2-6-77ADDRESS 9 Harvard StLAST 4 SSN 5654N. Chelmsford MATELEPHONE 978-515-8031

TEST AGENT:

IRRITANT SMOKE ☒OTHER ☐

RESPIRATOR INFORMATION: (HALF FACE ONLY FOR THIS FORM)

BRAND NAME AND SIZE NORTHM

WERE THE FOLLOWING COVERED AND UNDERSTOOD BY EMPLOYEE

YES

NO

HOW TO PROPERLY DON/ DOFF RESPIRATOR

☒

PROPER MAINTENANCE AND STORAGE TECHNIQUES

☒

MEDICAL QUESTIONNAIRE/ CLEARANCE AND/ OR VOLUNTARY FORM

☒

PROCEDURES FOR REQUESTING NEW RESPIRATOR OR REPLACEMENT PARTS AND WHEN A NEW FIT TEST IS NECESSARY

☒

COMMENTS:

NAME OF PERSON PERFORMING TEST

Tim Landon

SIGNATURE

DATE

9/9/13

NAME OF EMPLOYEE BEING FIT TESTED

Brian Harper

SIGNATURE

DATE

9-1-13

Appendix G

Fuss & O'Neill EnviroScience Paperwork



FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

WORKER SIGN-IN LOG

Project Name: Platt High School - Phase I Date: 1/30/14

Project No. 2011127. A/E Work Area: D-Side Roof (Gym glass panels)

Worker's Name	Signature	Social Security No.
1. <u>Riyeth Say</u>	<u>[Signature]</u>	<u>1191</u>
2. <u>German Rivas</u>	<u>[Signature]</u>	<u>7683</u>
3. <u>Albert Delacruz</u>	<u>[Signature]</u>	<u>1090</u>
4. <u>JUAN A. ALMONTE</u>	<u>[Signature]</u>	<u>0904</u>
5. <u>MEE THONGSANATH</u>	<u>[Signature]</u>	<u>4276</u>
6. <u>SAVANNA HOEUN</u>	<u>[Signature]</u>	
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20. <u>Umar August</u>	<u>[Signature]</u>	<u>6277</u>



FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

WORKER SIGN-IN LOG

Project Name: Platt High School - Phase 3 Date: 1/31/14

Project No. 2011127.1A1E

Work Area: D-Side Roof (Gym glass panels)

Worker's Name	Signature	Social Security No.
1. <u>Riyeth Say</u>	<u>[Signature]</u>	<u>191</u>
2. <u>GERMAN RIVAS</u>	<u>[Signature]</u>	<u>7683</u>
3. <u>JUAN LALMONTE</u>	<u>[Signature]</u>	<u>0804</u>
4. <u>MEE THONGSAVATH</u>	<u>[Signature]</u>	<u>4270</u>
5. <u>Alberto Delacruz</u>	<u>[Signature]</u>	<u>1020</u>
6. <u>SAVANNA HOEHN</u>	<u>[Signature]</u>	
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20. <u>Ulrich August</u>	<u>[Signature]</u>	<u>6277</u>



FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

WORKER SIGN-IN LOG

Project Name: Platt High School - Phase 5 Date: 2/3/14

Project No. 2011127-AIC Work Area: D. Side Roof (hanging glass panels)

Worker's Name	Signature	Social Security No.
1.		
2. <u>J. Lopez</u>	<u>8239</u>	
3. <u>German Rivas</u>	<u>[Signature]</u>	<u>7683</u>
4. <u>JUAN A. MONTE</u>	<u>Juan A. Mont</u>	<u>0804</u>
5. <u>MEE THONGSAVATH</u>	<u>[Signature]</u>	<u>4222</u>
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20. <u>Chen Anusud</u>	<u>[Signature]</u>	<u>6222</u>